

FH-B5CD

SERVICE MANUAL

*US Model
Canadian Model
AEP Model
E Model*



- FH-B5CD is composed of following models. As for the service manual it is issued for each component model, than, please refer to it.

COMPONENT MODEL NAME FH-B5CD

Component \ System	US, Canadian AEP, WG, IT AUS model	E, EA, EE model
Tuner, deck CD, amplifier	HCD-H5	
Speaker System	SS-H7	SS-H5

SPECIFICATIONS

Destination	Power requirements	Power consumption
US	120 V AC, 60 Hz	60 watts
Canadian	120 V AC, 60 Hz	80 watts
AEP, WG, IT, EE	220 V AC, 50/60 Hz	60 watts
E, EA, AUS	110 - 120 V or 220 - 240 V AC adjustable, 50/60 Hz	60 watts

Dimensions Approx. 615 × 285 × 255 mm (w/h/d)
(24 1/4 × 11 1/4 × 10 1/8 inches)
incl. projecting parts and controls

Weight Approx. 11.2 kg (24 lb 11 oz)

Accessories supplied
AM loop antenna (1)
Remote commander (1)
Sony SUM 3 (NS) batteries (2)

Design and specifications subject to change without notice.



9-955-733-11

PARTS LIST

NOTE:

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- WG : West Germany model
IT : Italian model
EA : Saudi Arabia model
EE : East European model
AUS: Australian model

ACCESSORIES & PACKING MATERIAL

- 1-465-343-11 REMOTE COMMANDER (RM-S6)
- 2-181-754-11 COVER, BATTERY
- 1-501-374-11 ANTENNA, LOOP
- △1-555-074-00 (AUS) CORD, POWER
- △1-555-234-00 (AEP, WG, IT, EA, EE) CORD, POWER
- △1-556-280-00 (E) CORD, POWER
- △1-575-706-00 (US, Canadian) CORD, POWER
- △1-569-007-11 (E) ADAPTOR, CONVERSION 2P
- △1-569-008-11 (EA) ADAPTOR, CONVERSION 2P
- 3-751-669-11 (US, Canadian, AEP, E, EA, AUS)
MANUAL, INSTRUCTION
- 3-751-669-41 (AEP, WG, IT) MANUAL, INSTRUCTION
- 3-751-669-51 (EE) MANUAL, INSTRUCTION
- 4-920-151-01 SHEET, PROTECTION (SPEAKER)
- *4-929-691-01 CUSHION (SPEAKER)
- *4-936-852-01 CUSHION (LOWER) (HST)
- *4-936-853-01 CUSHION (UPPER) (HST)
- *4-936-884-11 (E, EA) INDIVIDUAL CARTON
- *4-936-885-11 (EXCEPT E, EA) INDIVIDUAL CARTON

Note:

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**COMPACT HI-DENSITY
COMPONENT SYSTEM
SONY®**

Sony Corporation
Audio Group

English
90C0487-1
Printed in Japan
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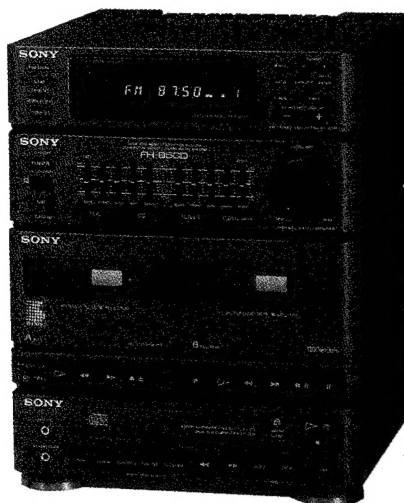
Published by Customer Relations and Service Group


HCD-H5

SERVICE MANUAL

*US Model
Canadian Model
AEP Model
E Model*

**HCD-H5 is the tuner, deck, CD
and amplifier section in
FH-B5CD.**



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Dolby Laboratories Licensing Corporation.
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SPECIFICATIONS

Tuner Section

System FM stereo, FM/AM
superheterodyne tuner

FM tuner section

Tuning range 87.5 – 108 MHz
Antenna Telescopic antenna
Antenna terminals 75 ohms unbalanced
Intermediate frequency 10.7 MHz

AM tuner section

Tuning range
For US, Canadian model
MW: 530 – 1,710 kHz
For Italian model
MW: 522 – 1,611 kHz
LW: 144 – 288 kHz
For AEP, WG and EE model
MW: 531 – 1,602 kHz
LW: 153 – 279 kHz
For E, EA and AUS model
MW: 531 – 1,602 kHz
SW: 5.95 – 17.9 MHz
Antenna AM loop antenna, External
antenna terminals
Intermediate frequency 450 kHz

Amplifier Section

**AUDIO POWER
SPECIFICATIONS
POWER OUTPUT AND
TOTAL HARMONIC
DISTORTION:**
With 16 ohm loads, both
channels driven, from
60 Hz – 20 kHz; rated

CD Section	Model Name Using Similar Mechanism		HCD-H7/H1500
	CD Mechanism Name		CDM13A-5BD3
	Base Unit Name		BU-5BD3
DECK Section	Model Name Using Similar Mechanism		New
	Tape Transport Mechanism Type	DECK A	TCM-180VA-N2
		DECK B	TCM-180VB-N2

16 watts per channel
minimum RMS power, with
no more than 1% total
harmonic distortion from 250
milliwatts to rated output.

Continuous RMS power output
20 + 20 watts (6 ohms at
1 kHz, 5% THD)

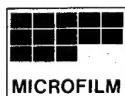
Peak music power output
(for the models other than AEP, WG, IT and EE)
200 watts (6 ohms)

Inputs MIX MIC (minijack):
sensitivity
1 mV, impedance
600 ohms

For AEP, WG, IT and EE model
PHONO (phono jack):
sensitivity 5 mV,
impedance 47 kilohms
For US, Canadian, E, EA and AUS model
AUX/VIDEO (phono jack):
sensitivity 400 mV,
impedance 47 kilohms

— continued on next page —

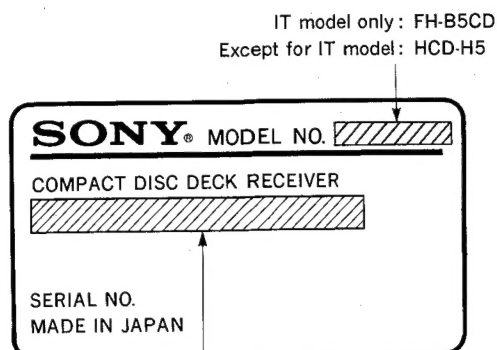
COMPACT DISC DECK RECEIVER
SONY®



SECTION 1 SERVICING NOTES

MODEL IDENTIFICATION

— Specification Labels —



IT model only: FH-B5CD
Except for IT model: HCD-H5

US model: AC: 120V~60Hz 60W
Canadian model: AC: 120V~60Hz 80W
AEP, WG, EE model: AC: 220V~50/60Hz 60W
IT model: AC: 220V~50Hz 60W
E, EA, AUS model: AC: 110-120/220-240V~50/60Hz 60W

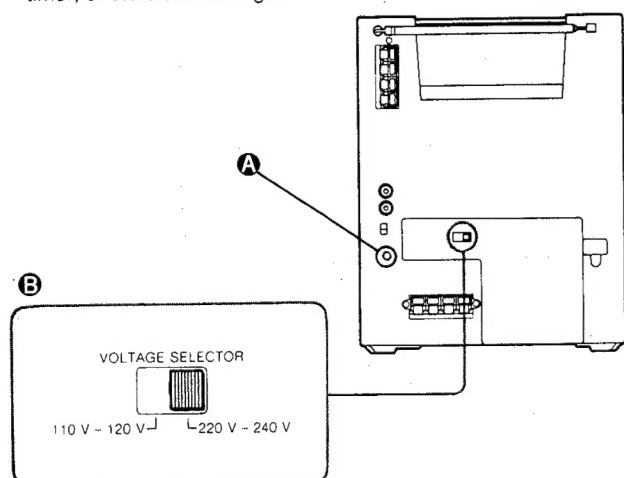
On operating voltage

Before operating the stereo system, check that the operating voltage of your system is identical with the voltage of your local power supply. **A**

US Canadian model	120V AC, 60Hz
AEP, WG, EE model	220V AC, 50/60Hz
IT model	220V AC, 50Hz
E, EA, AUS model	110-120, 220-240V AC adjustable, 50/60Hz

On operation

- If the system do not operate due to power noise, press the system reset button at the rear. The system will resume operation. **B**
At this time, the system returns to the factory-set mode. Please set the clock, timer, or store stations again.



SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:

Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

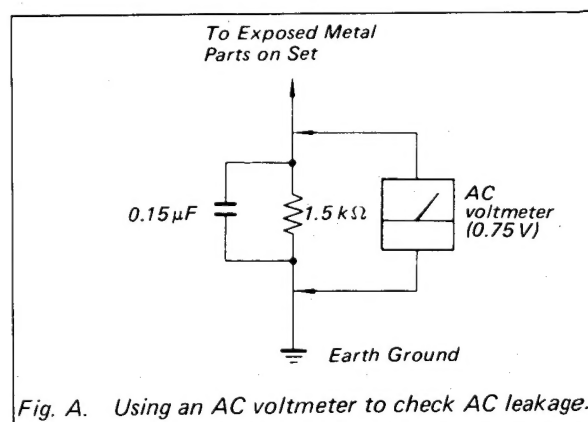


Fig. A. Using an AC voltmeter to check AC leakage.

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs a laser. Therefore, be sure to follow carefully the instructions below when servicing.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

1. Laser Diode Properties

- Material: GaAlAs
 - Wavelength: 780 nm
 - Emission Duration: continuous
 - Laser Output Power: less than 44.6 μ W*
- * This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block.

2. During service, do not take the Optical Pick-up Block apart, and do not adjust the APC circuit. If there is a breakdown in the APC circuit (including laser diode), replace the entire Optical Pick-up Block (including APC board).

BESKYTTELSE AF ØJNE MOD LASERSTRÅLING UNDER SERVICE

I dette apparat anvendes laserlys. Derfor skal nedenstående instruktioner nøje følges under service.

Følg iøvrigt instruktionerne i servicemanualen.

ADVARSEL!!

Under service må øjnene ikke komme nær objektiv-linsen på den optiske pick-up enhed. I tilfælde af at det er nødvendigt at kontrollere udsendelsen af laserlys, skal det ske i en afstand af mere end 25 cm fra den optiske pick-up.

1. Laser-dioode data

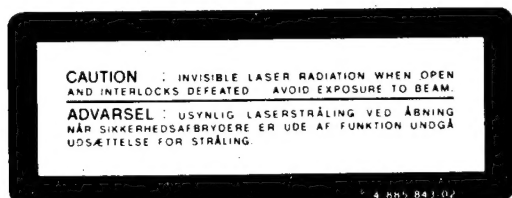
- Materiale: GaAlAs
 - Bølgelængde: 780 nm
 - Udstråling: Kontinuerlig
 - Laseroutput: Max. 0,4 mW*
- * Målt i 1,6 mm afstand fra overfladen af objektiv-linsen på den optiske pick-up enhed.
- Klassifikation: Klasse IIIb.

2. Adskil aldrig den optiske pick-up enhed under service, og juster ikke APC kredsløbet (Automatic Power Control). Hvis APC kredsløbet (incl. laser-dioden) bryder ned, skal hele den optiske pick-up enhed (incl. APC printkortet) udskiftes.

LASER ADVARSEL MÆRKNING

Følgende mærkning findes indvendig i apparatet:

1. Advarsel Mærkning



VAROITUS: Laite sisältää, laserdiodin, joka lähettää (näkyvätöntä) silmille vaarallista lasersäteilyä.

Setting the Clock

Example: Set to 9:25 in the morning.
When the AC power cord is connected, the display shows:
0: 00 for AEP, WG, IT and EE model
AM0: 00 for US, Canadian, E, EA and AUS model.

- 1 Press **CLOCK SET**.
- 2 Set the hour with **PRESET/TIMER +/-** buttons
- 3 Press **NEXT/ENTER**.
- 4 Set the minute with **PRESET/TIMER +/-** buttons.
- 5 Press **NEXT/ENTER**.
The clock starts operating.

Information on the time

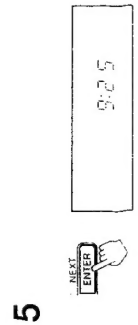
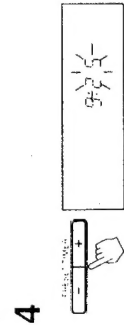
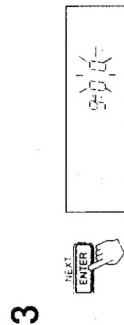
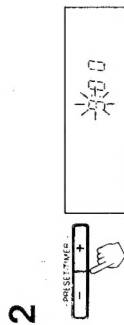
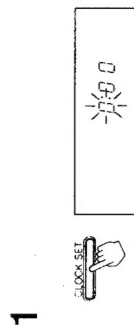
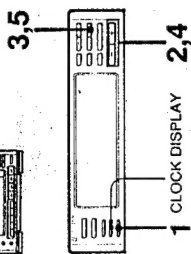
AEP, WG, IT and EE model
time in 24-hour cycle.
US, Canadian, E, EA and AUS model
time in 12-hour cycle.
AM 0:00 = midnight
PM 0:00 = noon

When a power interruption occurs

The power is backed up for approximately 5 minutes. If the power is recovered within 5 minutes, there is no need to reset the clock and timer. If it is longer than 5 minutes, both the clock and timer settings are erased, and "0:00" will flash on the display.

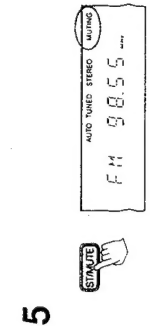
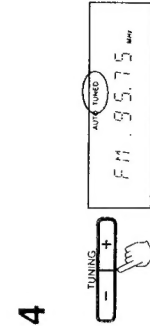
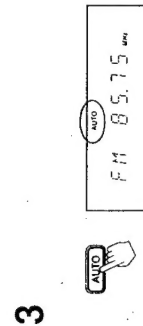
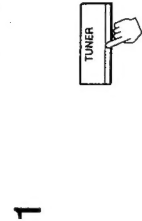
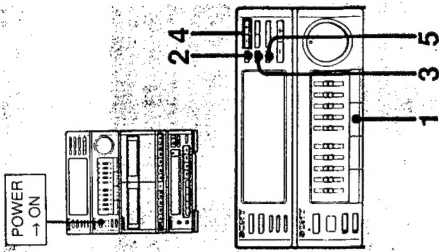
To check the present time while using the system

Press **CLOCK DISPLAY**.
The time display disappears after a few seconds.



Tuning in Automatically

- 1 Press **TUNER**.
- 2 Press **BAND** repeatedly until the desired band appears.
As you press **BAND**, the band changes as follows:
US, Canadian model:
FM → SW → AM
AEP, WG, IT and EE model:
FM → MW → LW
E, EA and AUS model:
FM → SW → MW
- 3 Press **AUTO**.
Make sure that **AUTO** appears in the display.
- 4 Select the station with **TUNING +** or **-**.
- 5 For receiving FM stations with the stereo effect, press **ST/MUTE** so that **MUTING** appears.



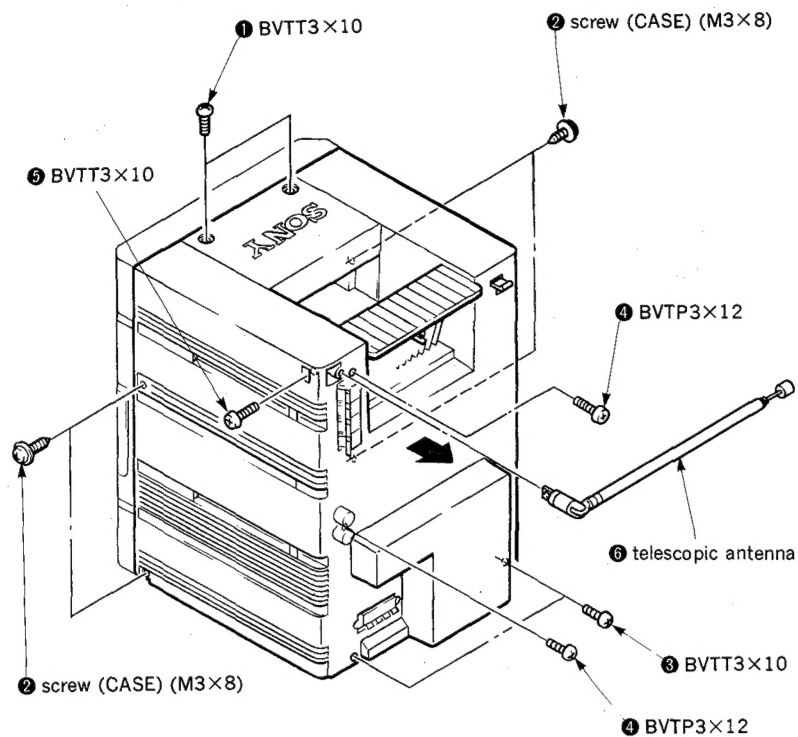
Tuning in Manually

- 1 Press **TUNER**.
- 2 Select band by pressing **BAND**.
- 3 Press **AUTO** so that **AUTO** disappears from the display.
- 4 Select station with **TUNING +** or **-**.

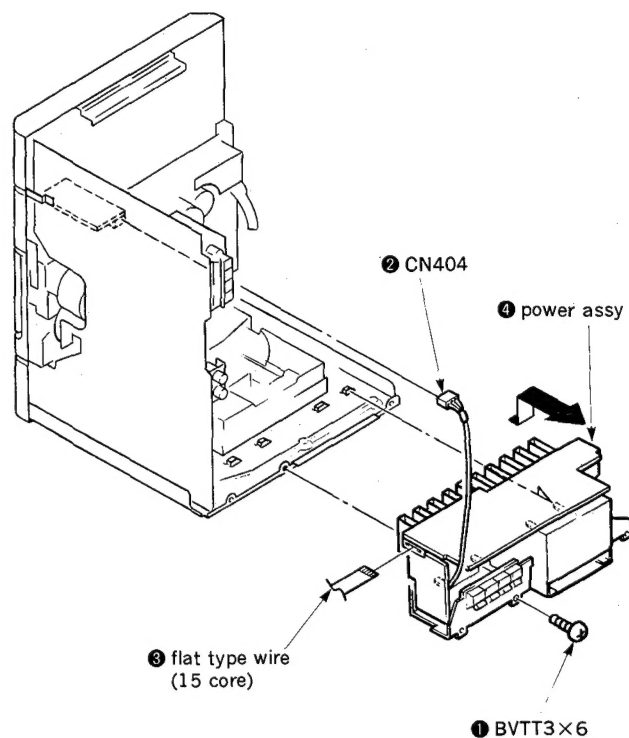
SECTION 3 DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

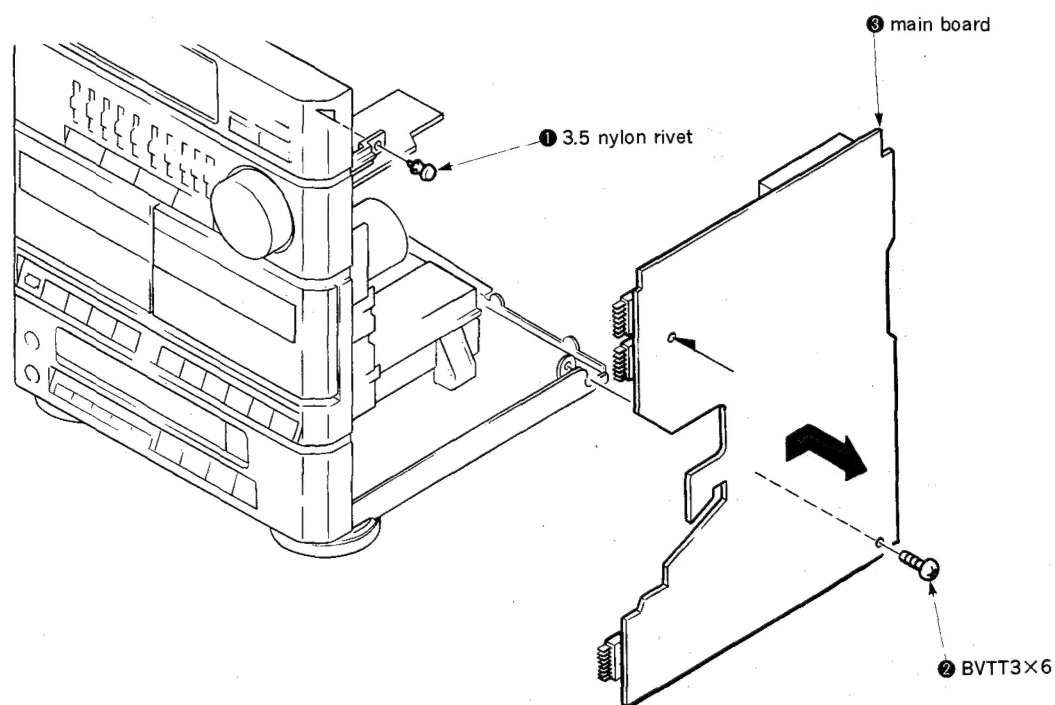
3-1. CASE ASSY



3-2. POWER ASSY



3-3. MAIN BOARD



SECTION 4 MECHANICAL ADJUSTMENTS

PRECAUTION

- Clean the following parts with a denatured alcohol-moistened swab :

record/playback head	pinch roller
erase head	rubber belt
capstan	idler
- Demagnetize the record/playback head with a head demagnetizer.
(Head demagnetizer do not approach for the erase head.)
- Do not use a magnetized screwdriver for the adjustment.
- After the adjustments, apply suitable locking compound to the parts adjusted.
- The adjustment should be performed with the rated power supply voltage unless otherwise noted.

• Torque Measurement

Torque	Torque meter	Meter reading
Forward	CQ-102C	35 to 60g•cm (0.49 to 0.83oz•inch)
Forward back tension	CQ-102C	25 to 4.5g•cm (0.035 to 0.062oz•inch)
Forward, Reverse	CQ-102B	75 to 150g•cm (1.04 to 2.08oz•inch)

• Timer Test Mode

When BAND, SHIFT and PRESET/TIMER+ buttons are pressed at the same time the following time test operation is performed. After the operation, it becomes in the system reset mode. Take care that the frequency preset to the tuner is initialized.

- POWER OFF
- Timer set

Clock	AM10: 23
Timer ON	AM10: 24
Timer OFF	AM10: 31
Function	TUNER
- FL tube display (FLT501)

All light

↓ for 2 seconds

"AM 10: 23"

↓ for 0.5 second

"AM 10: 24"

↓ for 0.5 second

"TUNER"

↓ for 2 seconds

Last channel

↓ for 1 second

"AM 00: 00" flashing

← POWER ON
 ← POWER ON
- Finish

SECTION 5 ELECTRICAL ADJUSTMENTS

DECK SECTION

- The adjustment should be performed in the publication.
(Be sure to make playback adjustment at first.)
- The adjustment and measurement should be performed for both L-CH and R-CH.
 - Switch position
DOLBY NR switch: OFF

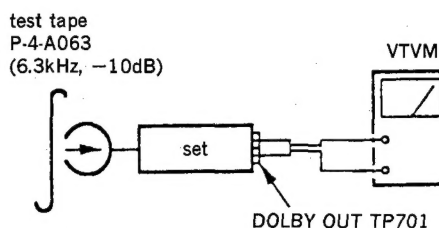
• Test Tape

Tape	Contents	Use
P-4-A063	6.3kHz, -10dB	Head Azimuth Adjustment
WS-48T	3kHz, 0dB	Tape Speed Adjustment

Record/Playback Head Azimuth Adjustment

Procedure:

- Mode: playback



• Preset Frequency in Restting

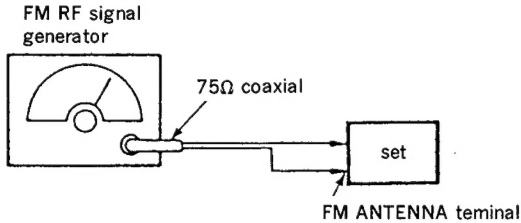
When pressing the system reset button (S701) of the rear side of the unit, the following frequency is preset to the tuner part. When the system reset is performed in repairing, be sure to return to the frequency set by the user.

FM	US, Canadian model MW tuning interval: 10k (9k)		AEP, WG, IT, EE model (): Italian model	
	AM	MW	LW	
A1 87.5MHz	A6 530(531)kHz	A6 531(522)kHz	B1	153(144)kHz
A2 88.0MHz	A7 620(621)kHz	A7 603kHz	B2	162kHz
A3 98.0MHz	A8 1050(1053)kHz	A8 999kHz	B3	216kHz
A4 106.0MHz	A9 1490(1485)kHz	A9 1404kHz	B4	270kHz
A5 108.0MHz	A10 1710kHz	A10 1602(1611)kHz	B5	279(288)kHz

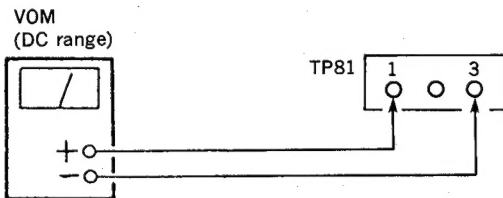
FM	E, EA, AUS model MW tuning interval: 9k (10k)	
	MW	SW
A1 87.5MHz	A6 531(530)kHz	B1 5.95MHz
A2 88.0MHz	A7 603(620)kHz	B2 7.00MHz
A3 98.0MHz	A8 999(1050)kHz	B3 12.00MHz
A4 106.0MHz	A9 1404(1490)kHz	B4 17.00MHz
A5 108.0MHz	A10 1602(1710)kHz	B5 17.90MHz

TUNER SECTION**FM SECTION ADJUSTMENTS**

Setting :



Carrier frequency : 98MHz
 Modulation : 1kHz, 75kHz deviation (US, Canadian, E, EA, AUS)
 1kHz, 40kHz deviation (AEP, WG, IT, EE)

**FM Discriminator Alignment (NULL Check)**

Band : FM

Procedure :

1. Supply a 1mV (60dBμ) 98MHz signal from the ANTENNA terminal.
2. Tune the set to 98MHz.
3. Adjust IFT82 for 0V reading on the VOM.

Note : FM tuned indication lighting level adjustment should be made after FM discriminator alignment.

FM Tuned Indication Lighting Level Adjustment

Band : FM

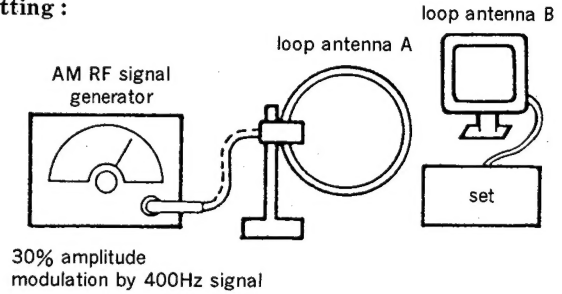
Procedure :

1. Supply a 32μV (30dBμ) 98 MHz signal from the ANTENNA terminal.
2. Tune the set to 98MHz.
3. Adjust RV81 so that the **TUNED** light up.

Adjustment Location : main board

AM SECTION ADJUSTMENTS

Setting :

**MW (AM) Tuned Indication Lighting Level Adjustment**

Band : MW or AM

Procedure :

1. Set loop antenna A so that the loop antenna B input level becomes 0.45mV (53dBμ).
2. Tune the set to 1,490kHz (US, Canadian) or 1,404kHz (AEP, WG, IT, EE, E, EA, AUS).
3. Adjust the RV82 so that the **TUNED** light up.

SW OSC Voltage Adjustment (E, EA, AUS model)

Band : SW

Procedure :

1. Connect the VOM to TP (OSC).
2. Tune the set to 5.95MHz.
3. Adjust T2 for 0.9 to 1.1V reading on the VOM.
4. Tune the set to 17.90MHz.
5. Adjust CT22 for 8.3 to 8.7V reading on the VOM.

SW Tracking Adjustment (E, EA, AUS model)

Band : SW

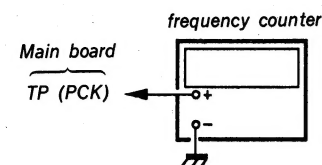
Procedure :

1. Connect the VOM to speaker terminal.
2. Adjust for a maximum reading on VTVM.

Signal generator and set frequency	Adjustment part
7.0MHz	T1
17.0MHz	CT21

RF PLL Free-run Frequency Check

Procedure :



1. Turn POWER switch on.
2. Put disc (YEDS-18) in and playback.
3. Confirm that reading on frequency counter is 4.3218MHz.

Focus/Tracking Gain Adjustment

A frequency response analyzer is necessary in order to perform this adjustment exactly.

However, this gain has a margin, so even if it is slightly off, there is no problem. Therefore, do not perform this adjustment.

Focus/tracking gain determines the pick-up follow-up (vertical and horizontal) relative to mechanical noise and mechanical shock when the 2-axis device operate.

However, as these reciprocate, the adjustment is the point where both are satisfied.

- When gain is raised, the noise when the 2-axis device operates increases.
- When gain is lowered, mechanical shock and skipping occurs more easily.
- When gain adjustment is off, the symptoms below appear.

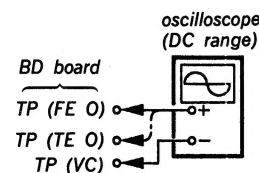
Symptoms \ Gain	Focus	Tracking
• The time until music starts becomes longer for STOP →▷ PLAY or automatic selection. (◀◀, ▶▶ buttons pressed.) (Normally takes about 1 sec-onds.)	low	low or high
• Music does not start and disc continues to rotate for STOP →▷ PLAY or automatic selection. (◀◀, ▶▶ buttons pressed.)	—	low
• Sound is interrupted during PLAY. Or time counter display stops progressing.	—	low
• More noise during 2-axis device operation.	high	high

The following is a simple adjustment method.

—Primary Adjustment—

Note : Since exact adjustment cannot be performed, remember the positions of the controls before performing the adjustment.

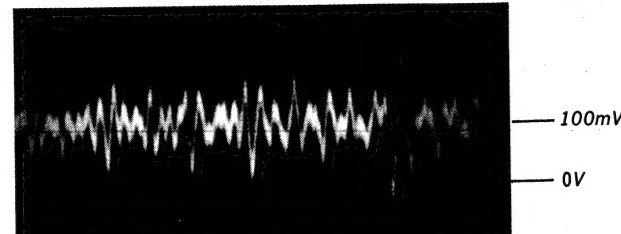
If the positions after the primary adjustment are only a little different, return the controls to the original position.



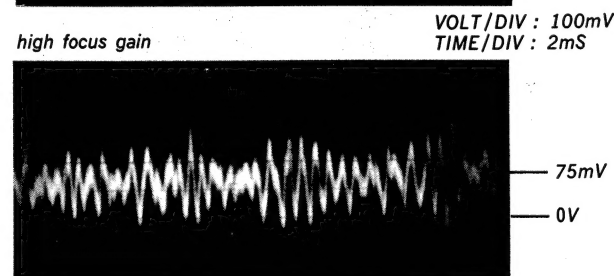
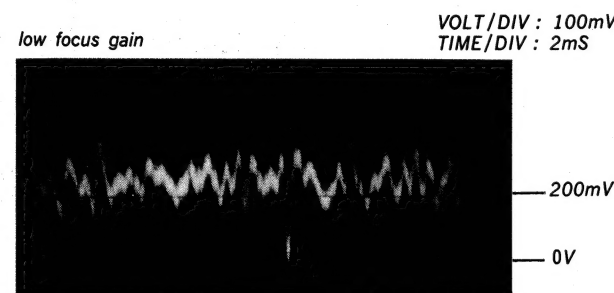
Procedure :

1. Keep the set horizontal. If the set is not horizontal, this adjustment cannot be performed due to the gravity against the 2-axis device.
2. Insert disc (YEDS-18) and press ▷ PLAY button.
3. Connect oscilloscope to TP (FEO) and TP (VC) on BD board.
4. Adjustment RV102 on digital board so that the waveform is as shown in the figure below. (focus gain adjustment)

VOLT/DIV : 100mV
TIME/DIV : 2mS

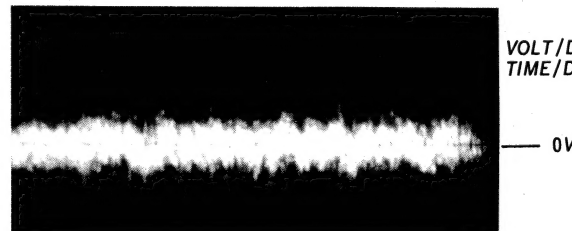


- Incorrect Examples (DC level changes more than on adjusted waveform)

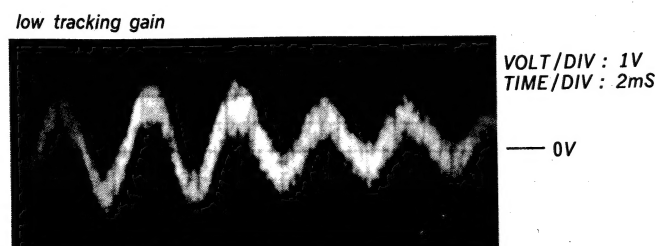


5. Connect oscilloscope to TP (TEO) and TP (VC) on BD board.
6. Adjusted RV101 on digital board so that the waveform is as shown the figure below. (tracking gain adjustment)

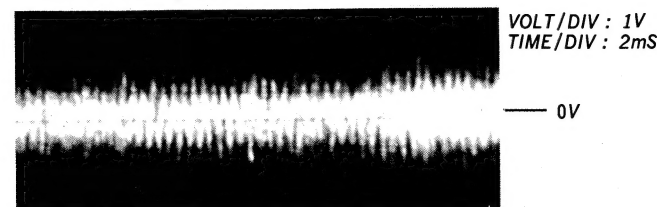
VOLT/DIV : 1V
TIME/DIV : 2mS



- Incorrect Examples (fundamental wave appears)

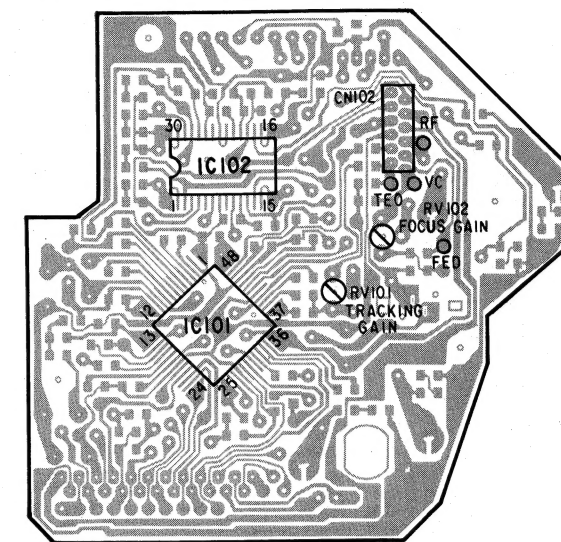


high tracking gain
(high fundamental wave)
than for low gain

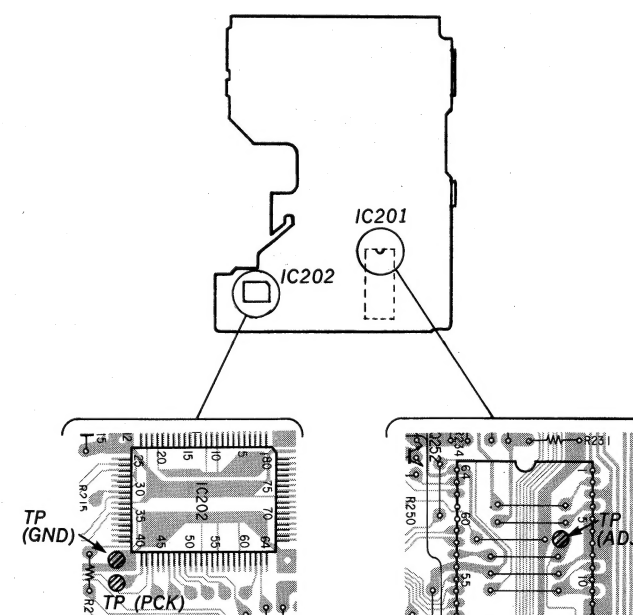


Adjustment Locations :

BD board — conductor side —



main board — component side —



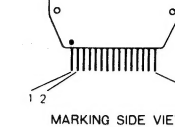
SECTION 6 DIAGRAMS

6-1. SEMICONDUCTOR LEAD LAYOUTS

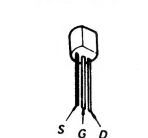
STK-4122MK2

2SK246-GR3

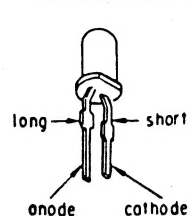
2SK246-Y



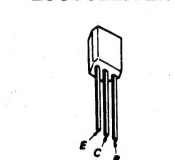
2SK246-GR3
2SK246-Y



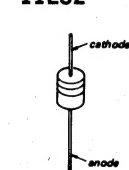
SEL2210W-D
SEL4214R-LC05
SEL4914R-LC05



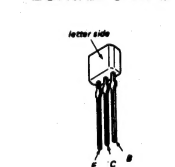
DTA114ES
DTA144ES
DTC114ES
DTC144ES
2SC2603-EF
2SC2724-CD
2SC3622A-LK



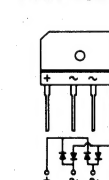
HZS6B1L
HZS7B3L
HZS7C2L
UZ-4.7BSC
UZL-24L
UZL-9H1
1SS120
11ES2



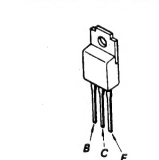
DTC114TS
2SA1175-HFE



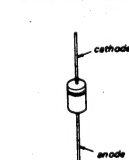
RBA-402



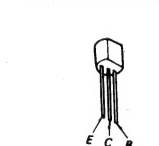
2SB1187-EF
2SD1761-EF



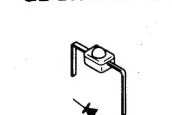
UZP-5.1BC



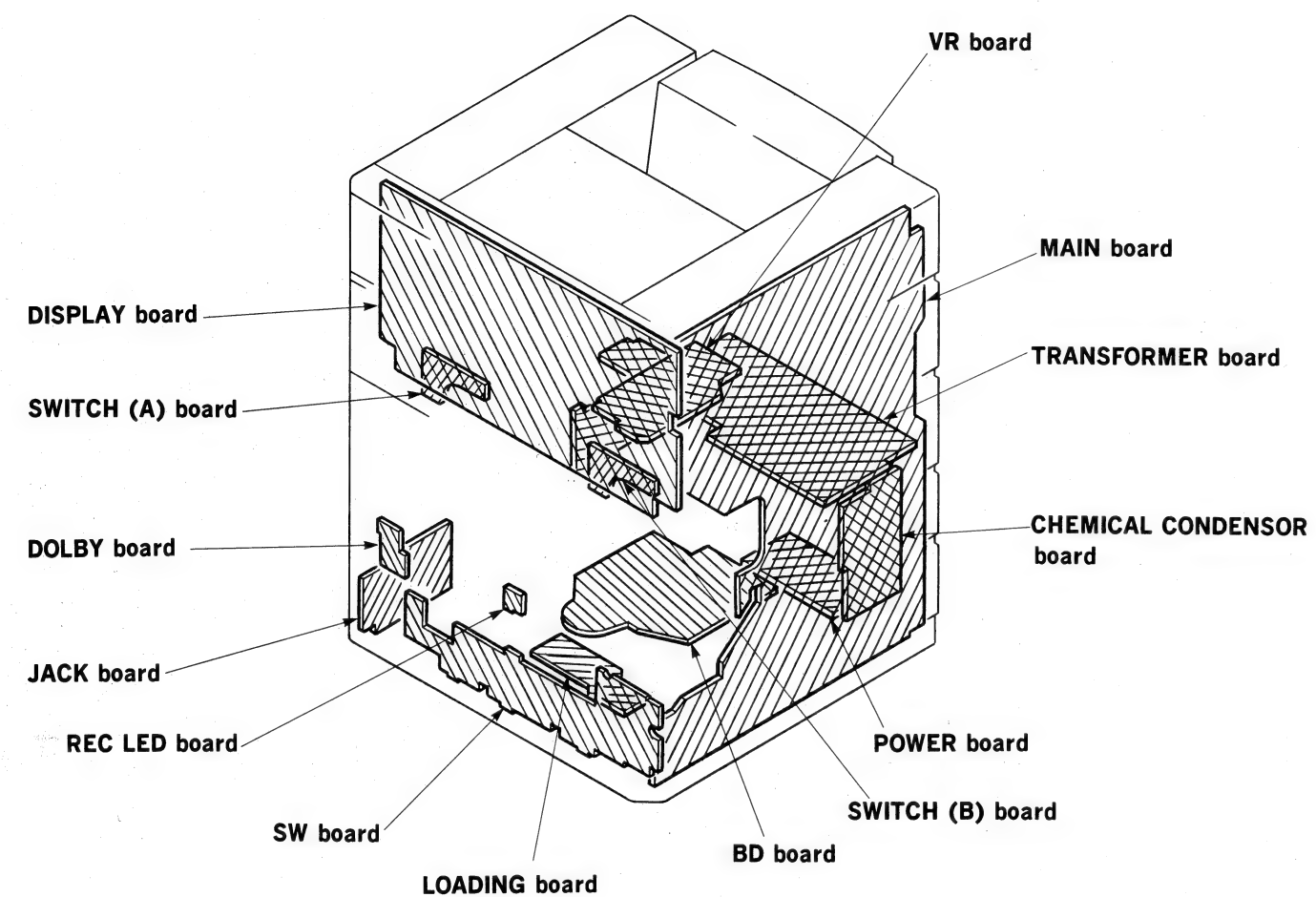
2SC3112-B
2SD1387
2SD1616A-K



GL-1EG112-CD
GL-1HY112-CD



6-2. CIRCUIT BOARDS LOCATION



• Semiconductor Location

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D21(*1)	C-6	Q1(*2)	D-5	Q786	E-14
D81	F-9	Q1(*3)	D-9	Q787	E-14
D201	F-16	Q2(*4)	E-9	Q789	D-13
D205	D-15	Q3(*2)	E-6	Q790	D-13
D206	H-19	Q3(*3)	E-10	Q791	D-14
D207	H-20	Q4(*2)	E-6	Q999	H-15
D208	I-21	Q4(*3)	E-10		
D209	I-21	Q5(*1)	B-5		
D210	J-21	Q5(*3)	B-9		
D211	J-23	Q6(*1)	E-6		
D300	I-6	Q6(*3)	E-10		
D601	C-16	Q7(*1)	D-6		
D701	D-13	Q7(*3)	D-10		
D721	C-18	Q8(*1)	D-6		
D735	H-11	Q8(*3)	D-10		
D736	G-15	Q9(*1)	B-5		
D737	G-15	Q9(*3)	B-9		
D738	G-15	Q10(*1)	B-6		
D739	G-15	Q51(*2)	D-4		
D785	E-13	Q51(*3)	D-8		
D786	E-13	Q52(*2)	D-4		
D787	E-13	Q52(*3)	D-8		
D788	D-14	Q53(*3)	D-7		
D789	D-13	Q54(*3)	D-7		
D790	C-14	Q101	I-8		
D791	D-13	Q101(BD)	F-21		
D792	D-13	Q102	H-8		
D793	F-13	Q103	G-10		
		Q104	G-9		
IC51(*2)	E-4	Q201	E-15		
IC51(*3)	E-8	Q231	F-17		
IC81	F-10	Q232	E-17		
IC101(BD)	E-21	Q233	F-16		
IC102(BD)	D-21	Q234	F-17		
IC201	D-17	Q252	E-15		
IC202	I-17	Q253	E-16		
IC221	G-17	Q601	F-13		
IC222	F-18	Q603	C-16		
IC223	F-17	Q651	F-13		
IC253	F-15	Q721	B-17		
IC601	C-15	Q722	B-16		
IC602	E-13	Q723	B-18		
IC621(*3)	C-12	Q731	F-12		
IC661	C-17	Q732	E-12		
IC701	E-12	Q735	H-11		
IC702	D-12	Q736	H-11		
IC703	E-12	Q737	H-12		
IC704	C-13	Q738	H-10		
IC705	F-12	Q739	G-15		
IC706	I-10	Q740	G-15		
IC785	D-13	Q781	F-12		
IC999	H-6	Q785	D-14		

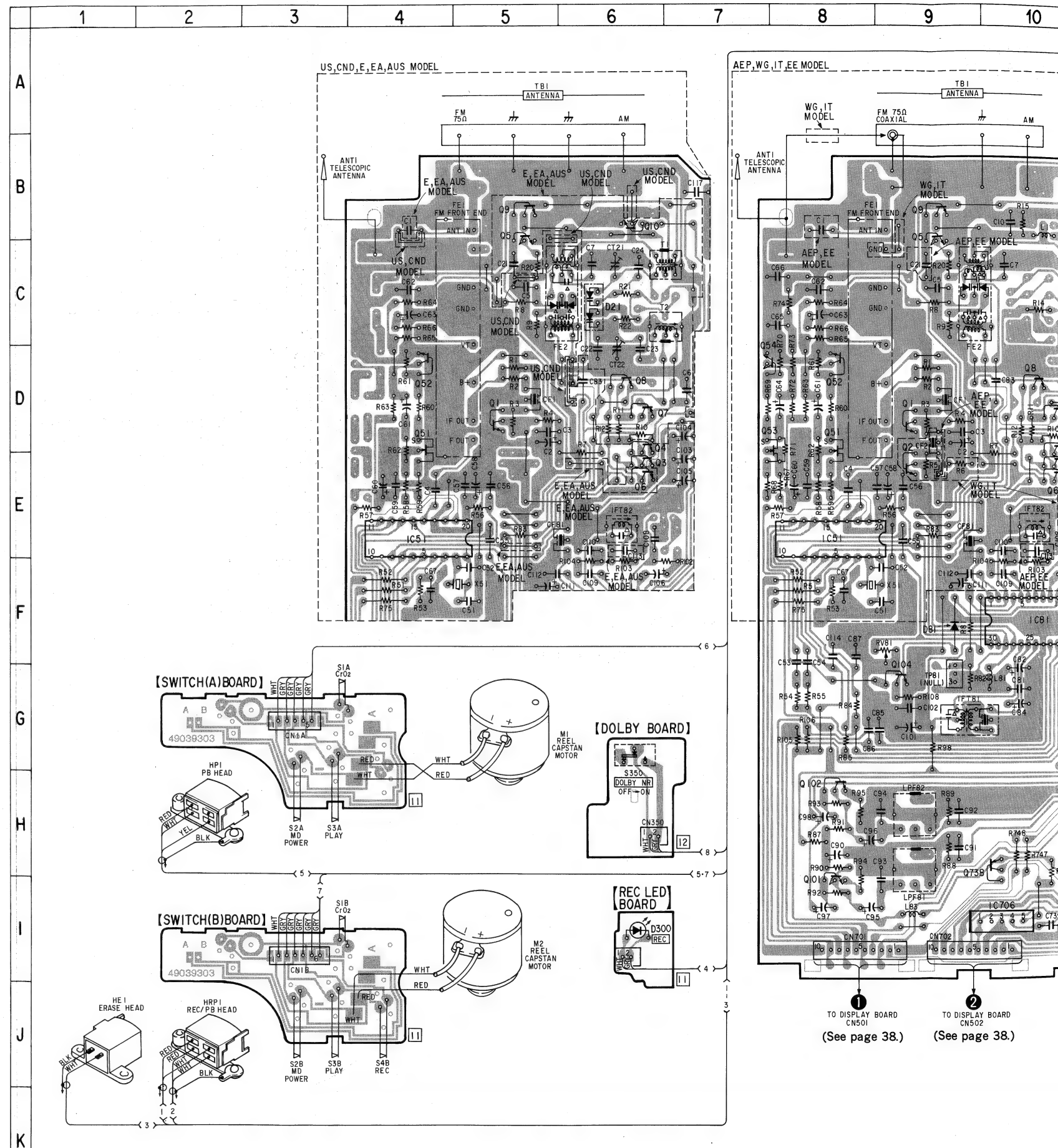
Note:

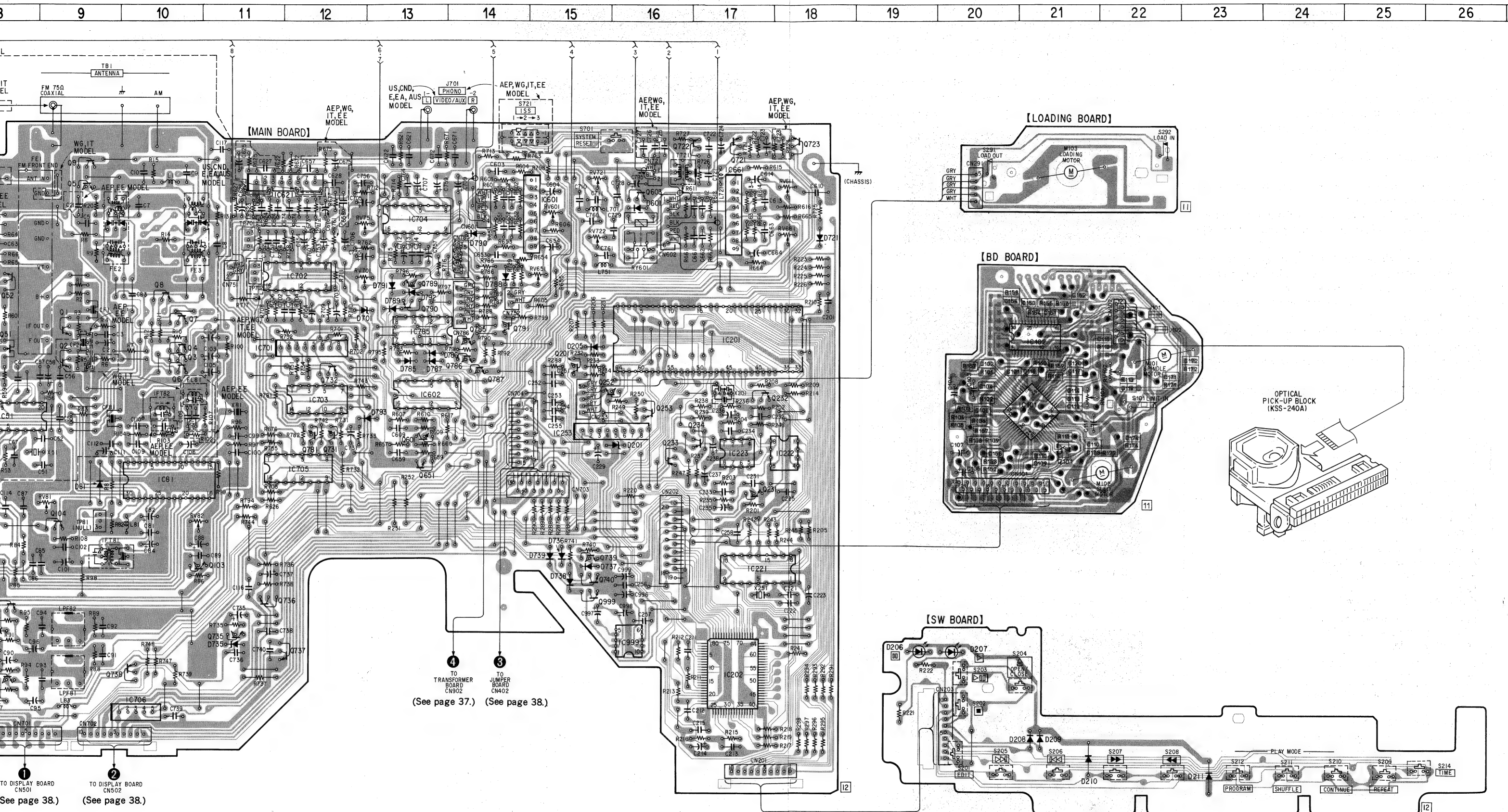
- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : indicates side identified with part number.
- : Through hole.
- ▨ : Pattern on the side which is seen.
- ▩ : Pattern of the rear side.
- CND: Canadian model
- WG: West Germany model
- IT: Italian model
- EE: East European model
- EA: Saudi Arabia model
- AUS: Australian model

*1 : Used on E, EA and AUS model.
 *2 : Used on US, CND, E, EA and AUS model.
 *3 : Used on AEP, WG, IT and EE model.
 BD : Used on BD board.
 *4 : Used on WG and IT model.

6-3. PRINTED WIRING BOARDS—Tuner/Deck/CD Section—

• Refer to page 16 for Semiconductor Lead Layouts.





[TRANSFORMER BOARD]

E, EA, AUS MODEL

EXCEPT FOR US, CND MODEL

AEP, WG, IT, EE MODEL

POWER TRANSFORMER

220V-240V 110V-120V

EXCEPT FOR E, EA, AUS MODEL

US, CND, E, EA, AUS MODEL

EXCEPT FOR US, CND MODEL

US, CND MODEL

[DISPLAY BOARD]

US, CND, E, EA, AUS MODEL

AEP, WG, IT, EE MODEL

[POWER BOARD]

[JUMPER BOARD]

[VR BOARD]

[JACK BOARD]

CP503, 504

FLT501 FLUORESCENT INDICATOR TUBE

	US, CND	AEP, WG	IT	EE	E, EA, AUS
D585	○	×	×	×	○
D588	×	○	×	×	○
D589	×	×	○	○	×
D590	×	×	×	○	○

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

4G

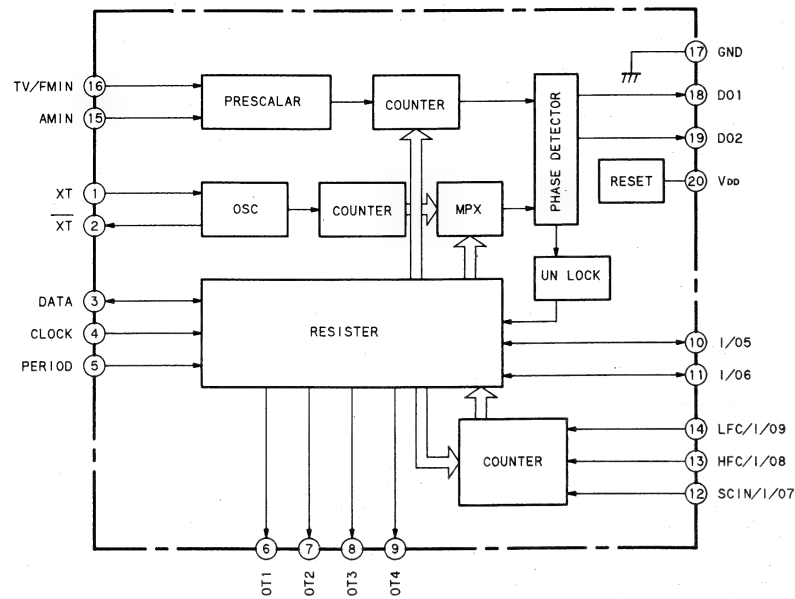
1 2 4 5 10 15 28 30 35 39 41 42

Note:

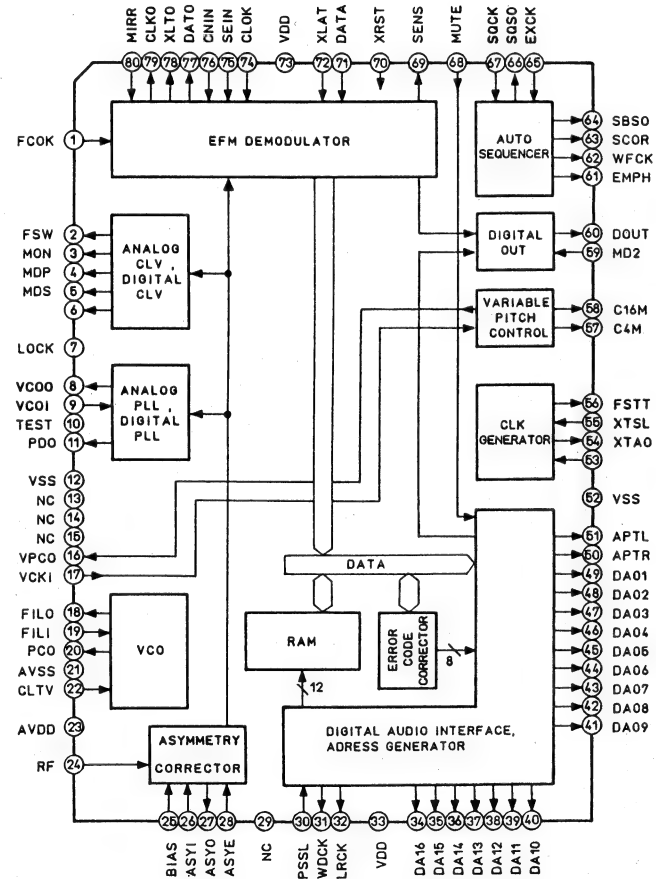
- — : parts extra
- CND: Canadian model
- WG: West German model
- IT: Italian model
- EE: East European model
- EA: Saudi Arabian model

• IC Block Diagrams

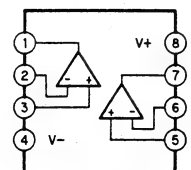
• IC51 TC9217P



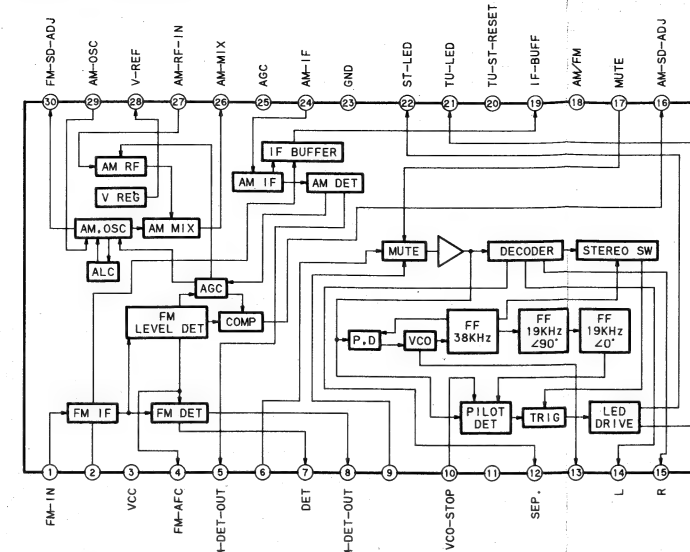
• IC202 CXD2500Q



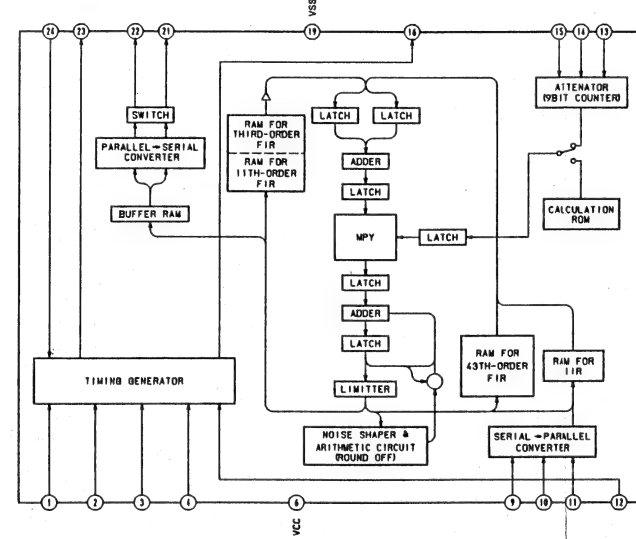
• IC223 M5218AP



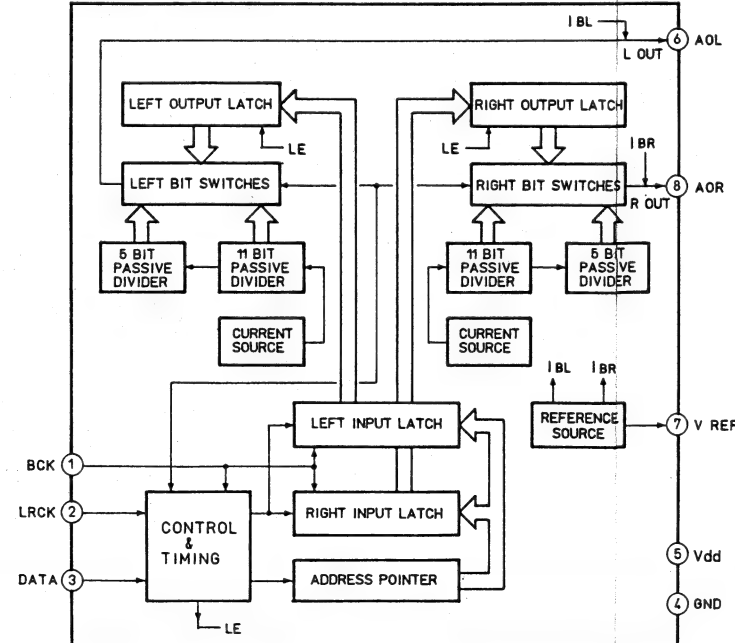
• IC81 LA1851N



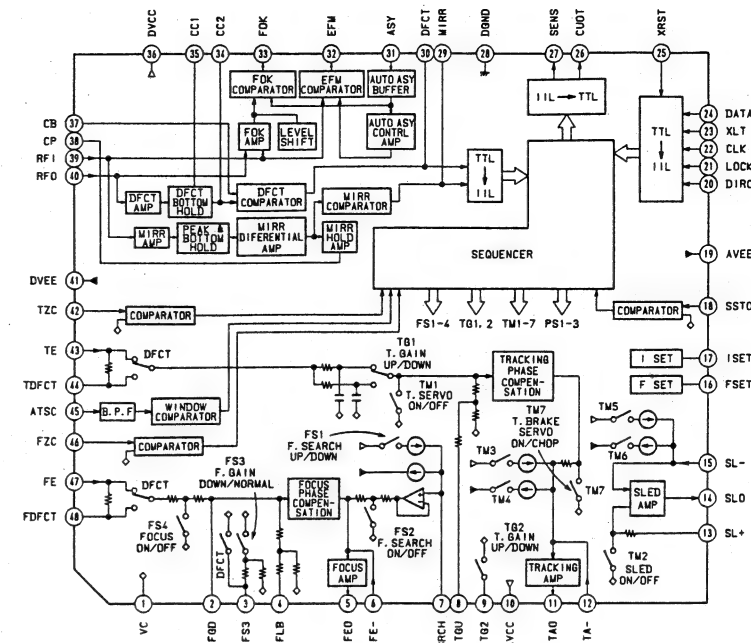
• IC221 CXD2551P



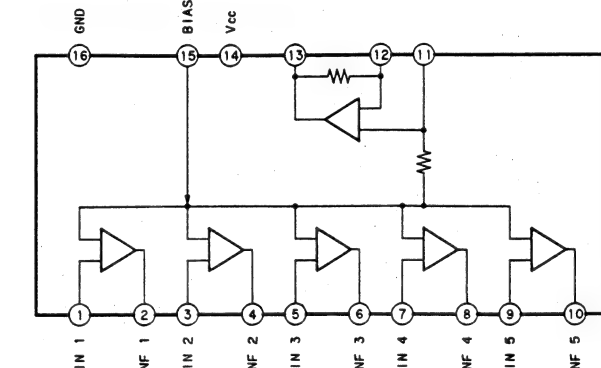
• IC222 TDA1543A



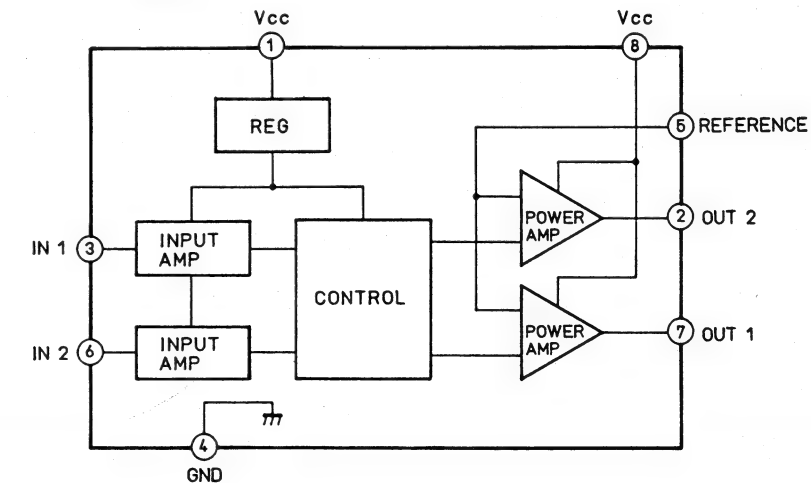
• IC101 CXA1372Q



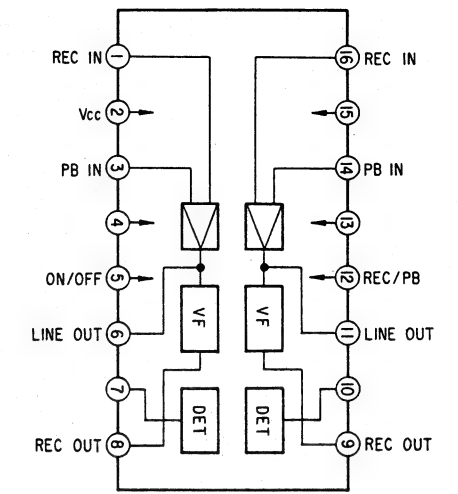
• IC501, IC551 M5226FP



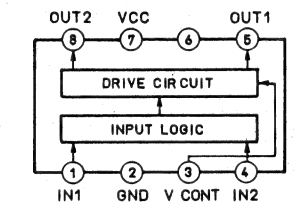
• IC253 M54641L



• IC702 CXA1101P

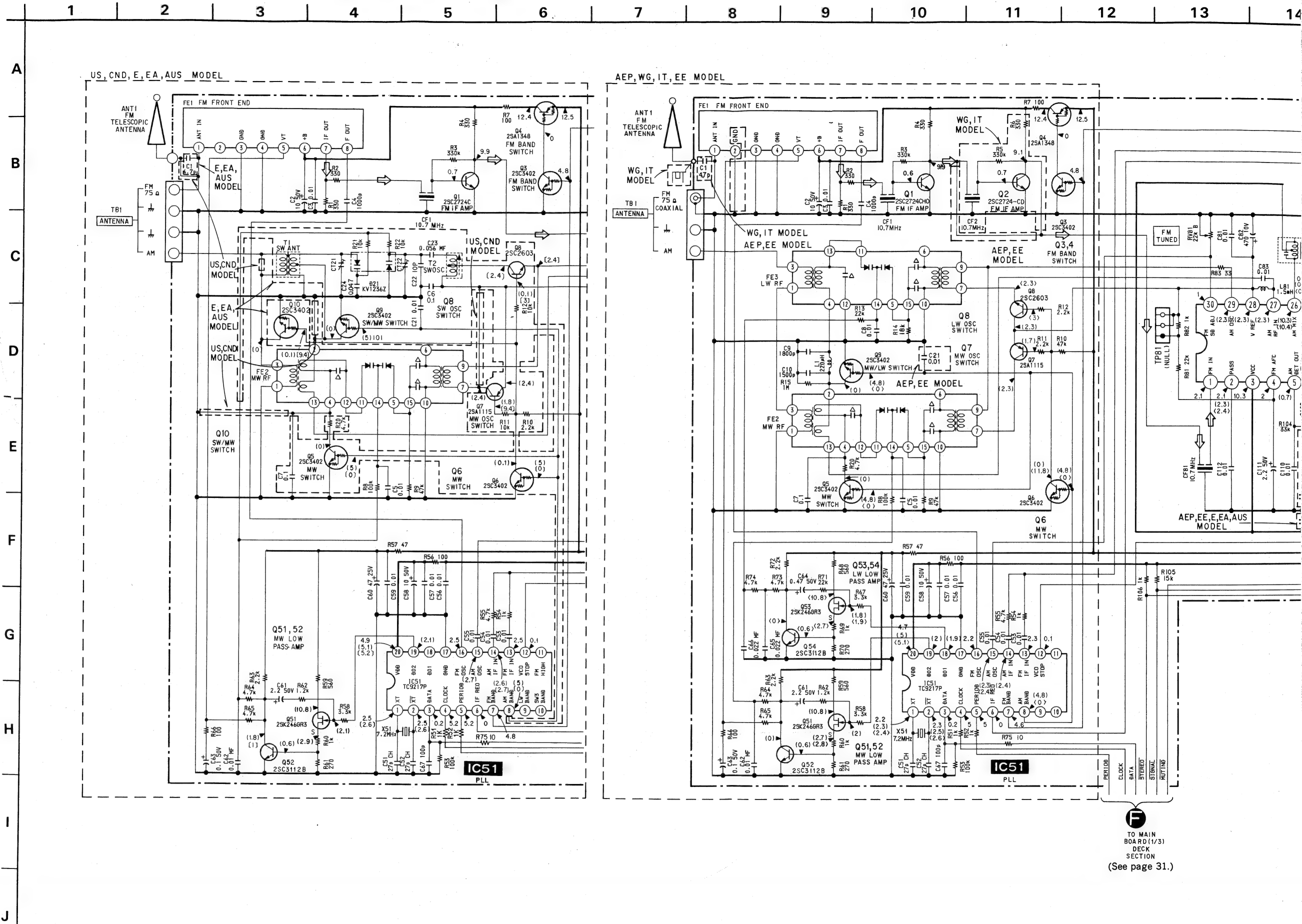


• IC406 LB1639







6-4. SCHEMATIC DIAGRAM—Tuner Section—

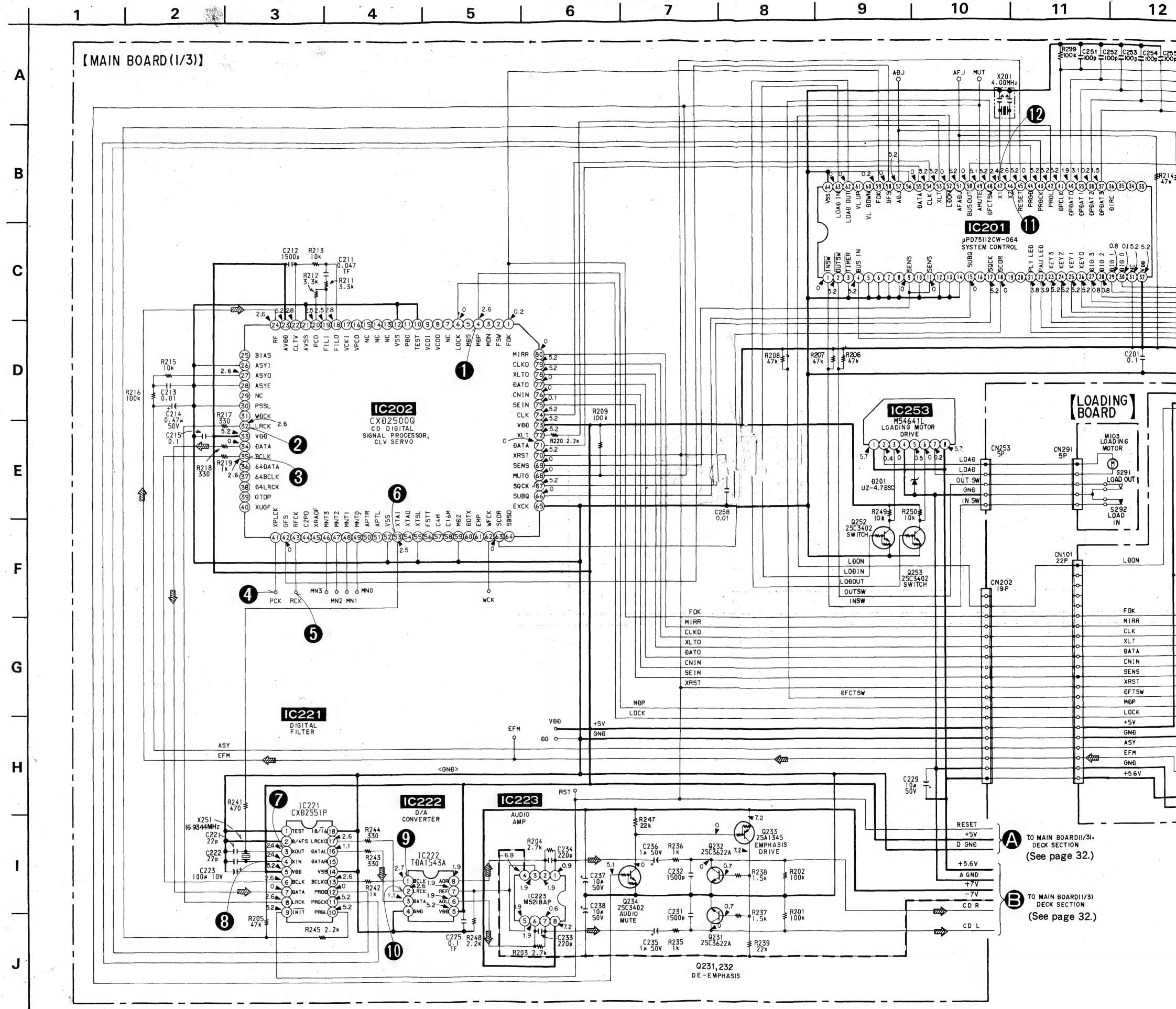
- Refer to page 39 for IC Block Diagrams.
- Refer to page 42 for FE1 FM Front End.

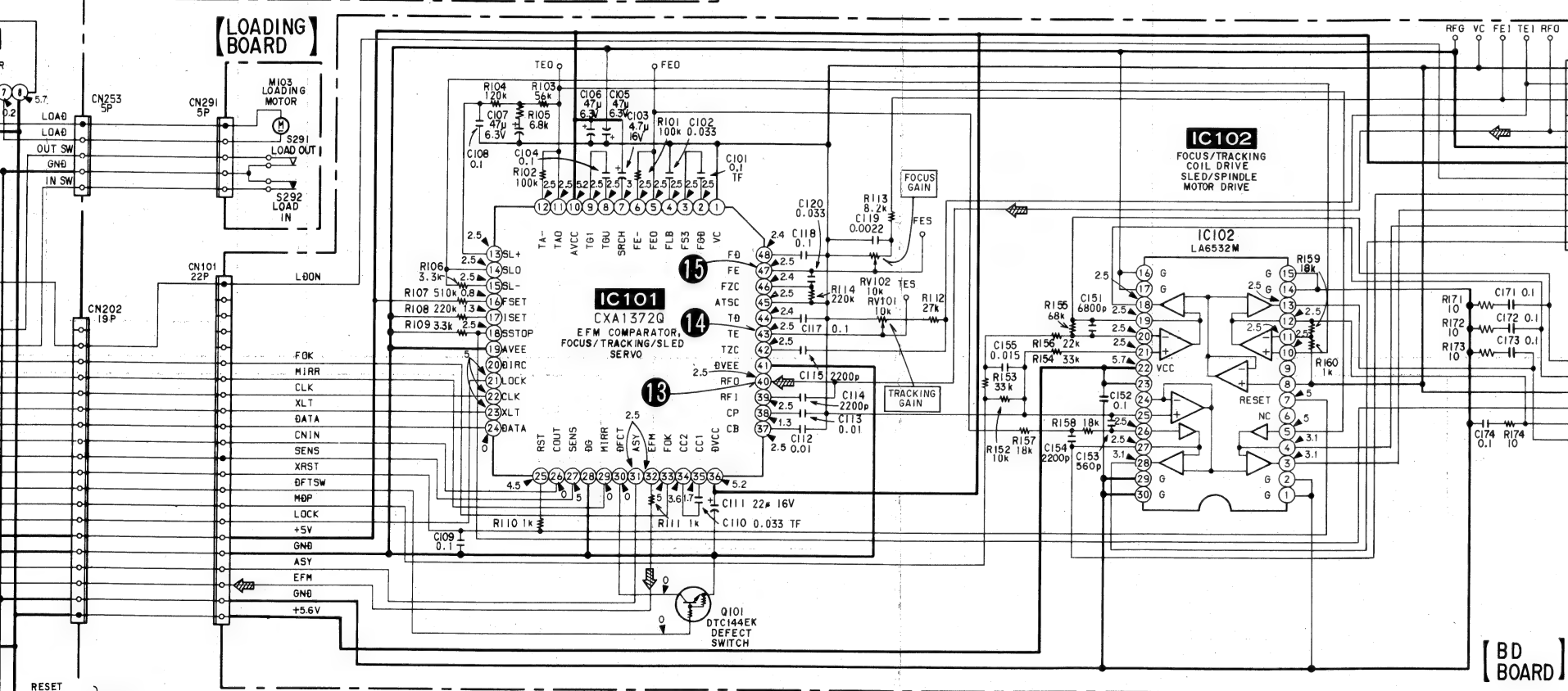
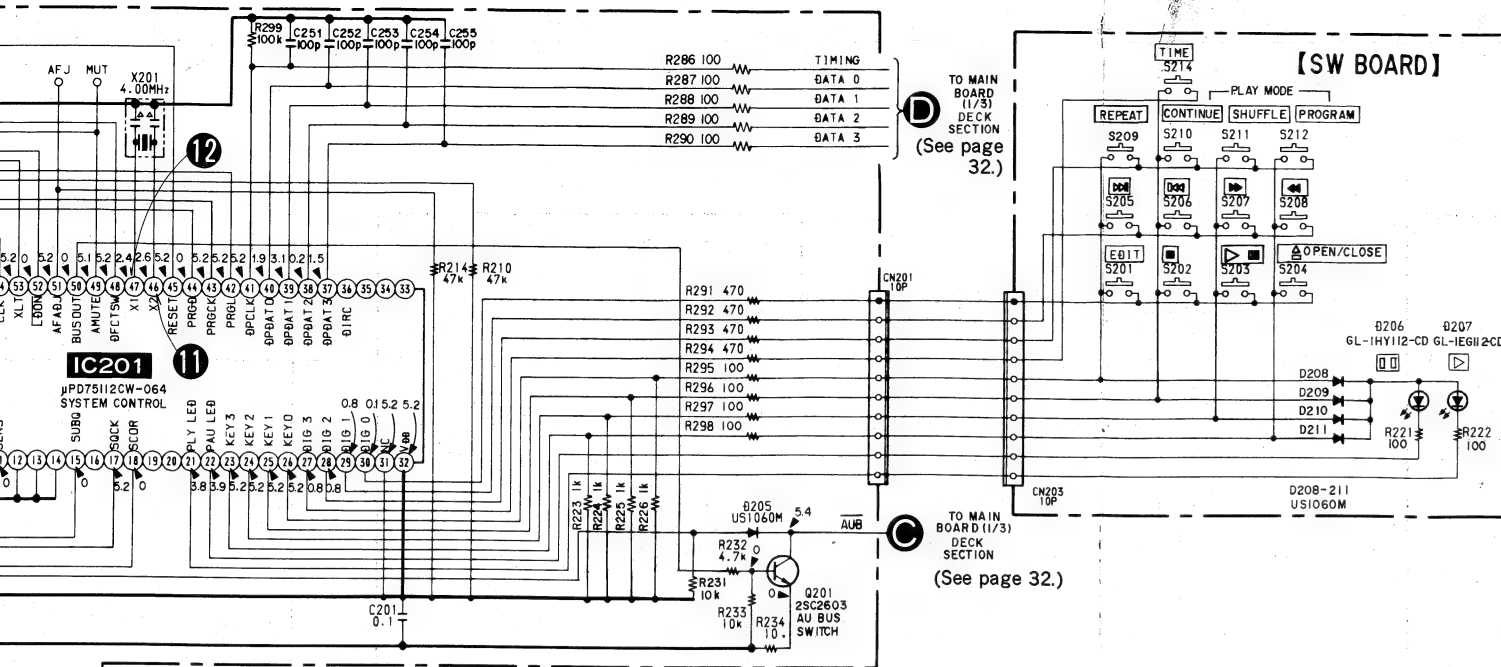


—24—

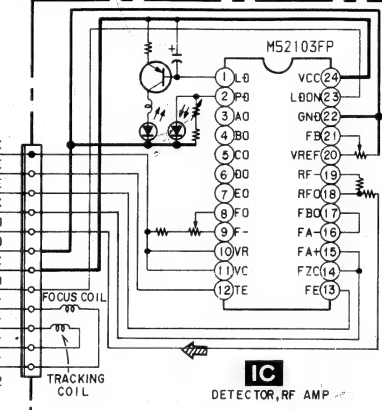
TO MAIN
BOARD (1/3)
DECK
SECTION
(See page 31.)

- All capacitors are in μF . Unless otherwise noted, pr: μF , 50WV or less are not indicated except for electrolytic and tantalums.
- All resistors are in Ω and $\frac{1}{2} \Omega$ or less unless otherwise specified.
-  : B+ Line
-  : B- Line
-  : adjustment for repair
- Voltage is dc with respect to ground under no-signal (idle) conditions.
 - no mark : FM
 - (: MW
 - [: LW
 - \ : SW
- Voltages are taken with a 500Ω impedance, 10M Ω . Voltage variations may be noted due to normal production tolerances.
- Signal path.
 -  : FM
- CND : Canadian model
- WG : West Germany model
- IT : Italian model
- EE : East European model
- EA : Saudi Arabia model
- AUS : Australian model





OPTICAL PICK-UP BLOCK (KSS-240A)

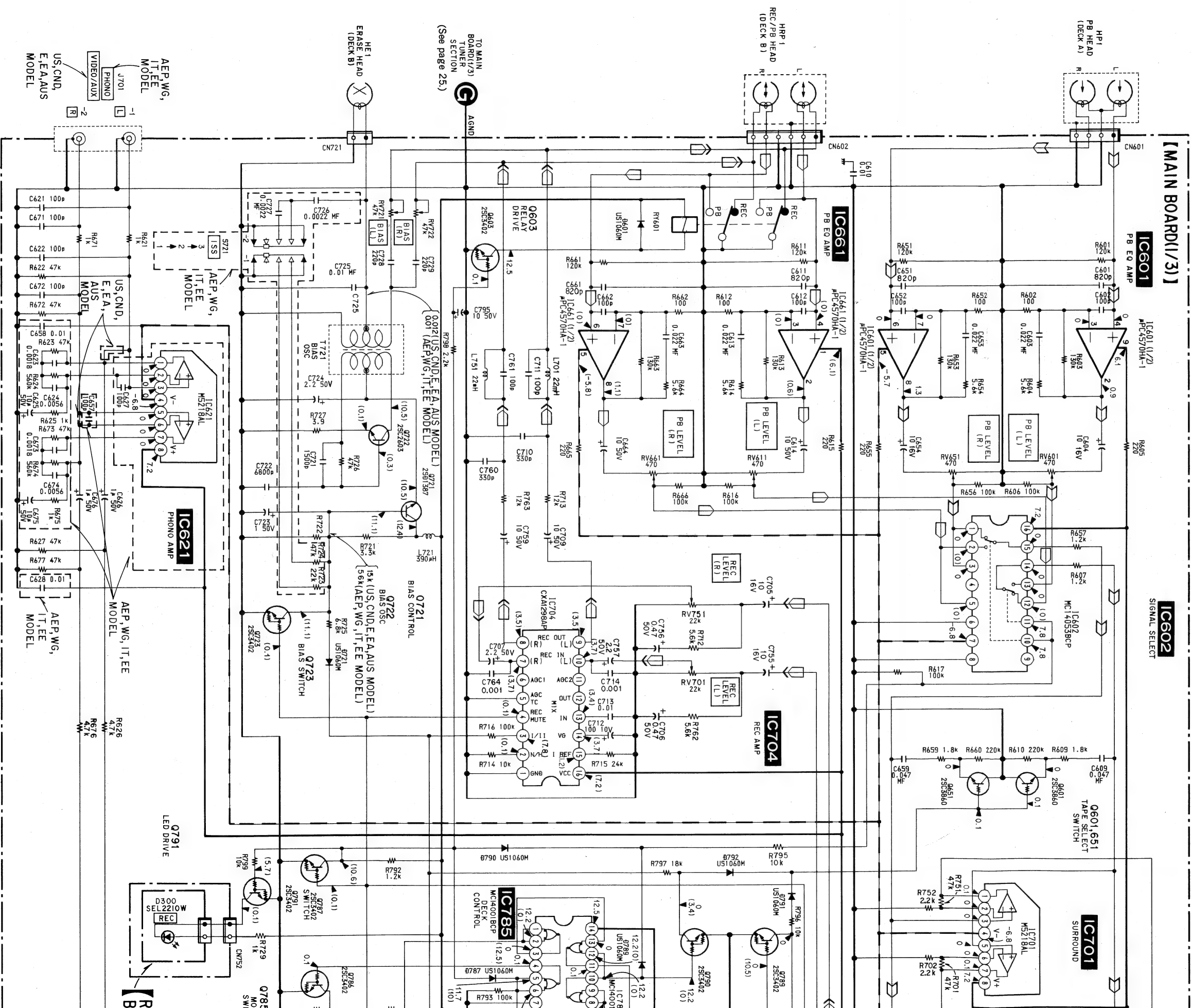


Note:

- All capacitors are in μF unless otherwise noted. pF: μpF 50V or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- \triangle : internal component.
- : B+ Line
- : B- Line
- : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
- no mark: CD STOP
- Voltages are taken with a VOM (Input Impedance $10\text{M}\Omega$). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with an oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
- ⚡: CD

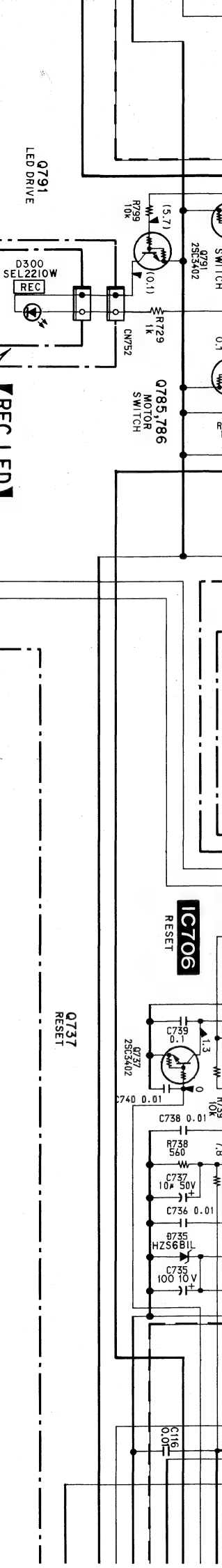
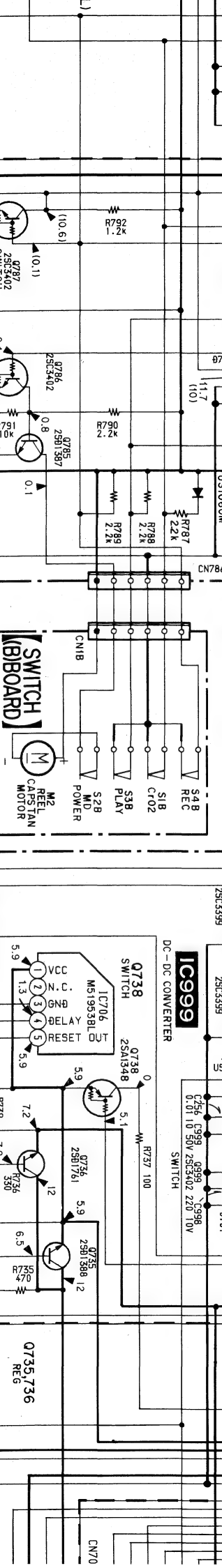
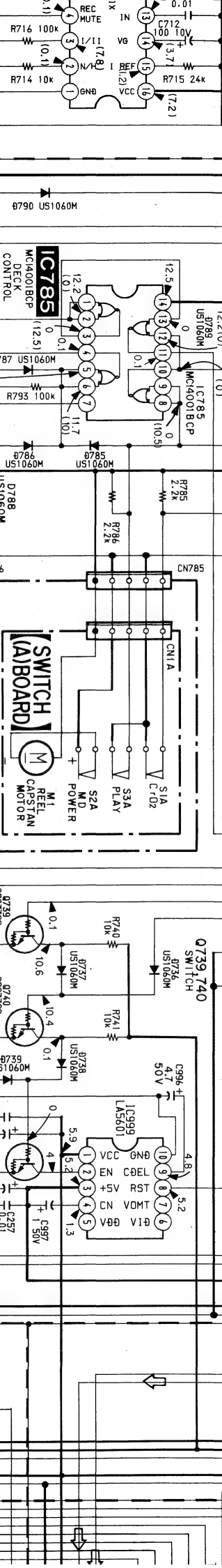
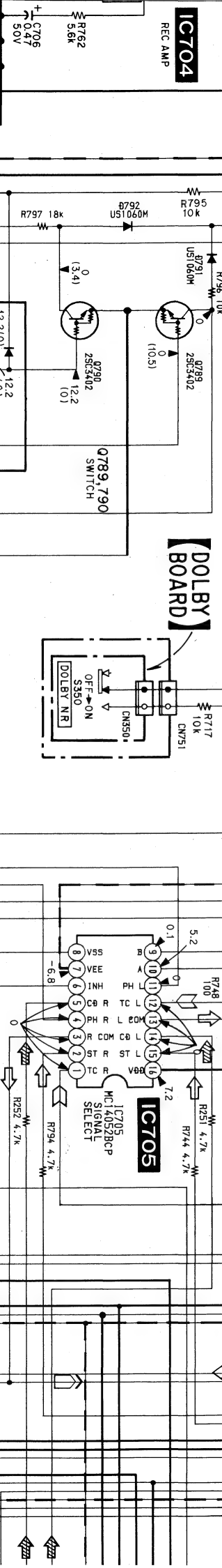
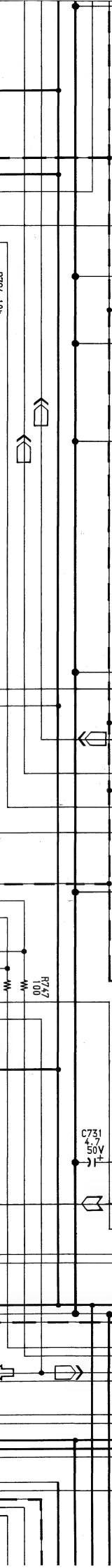
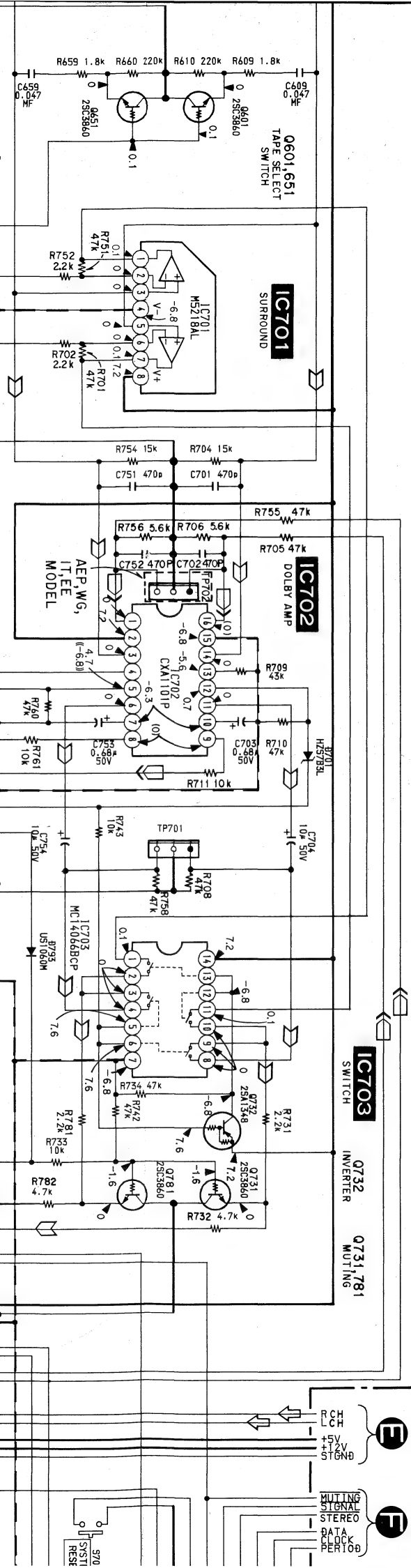
Note:
The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

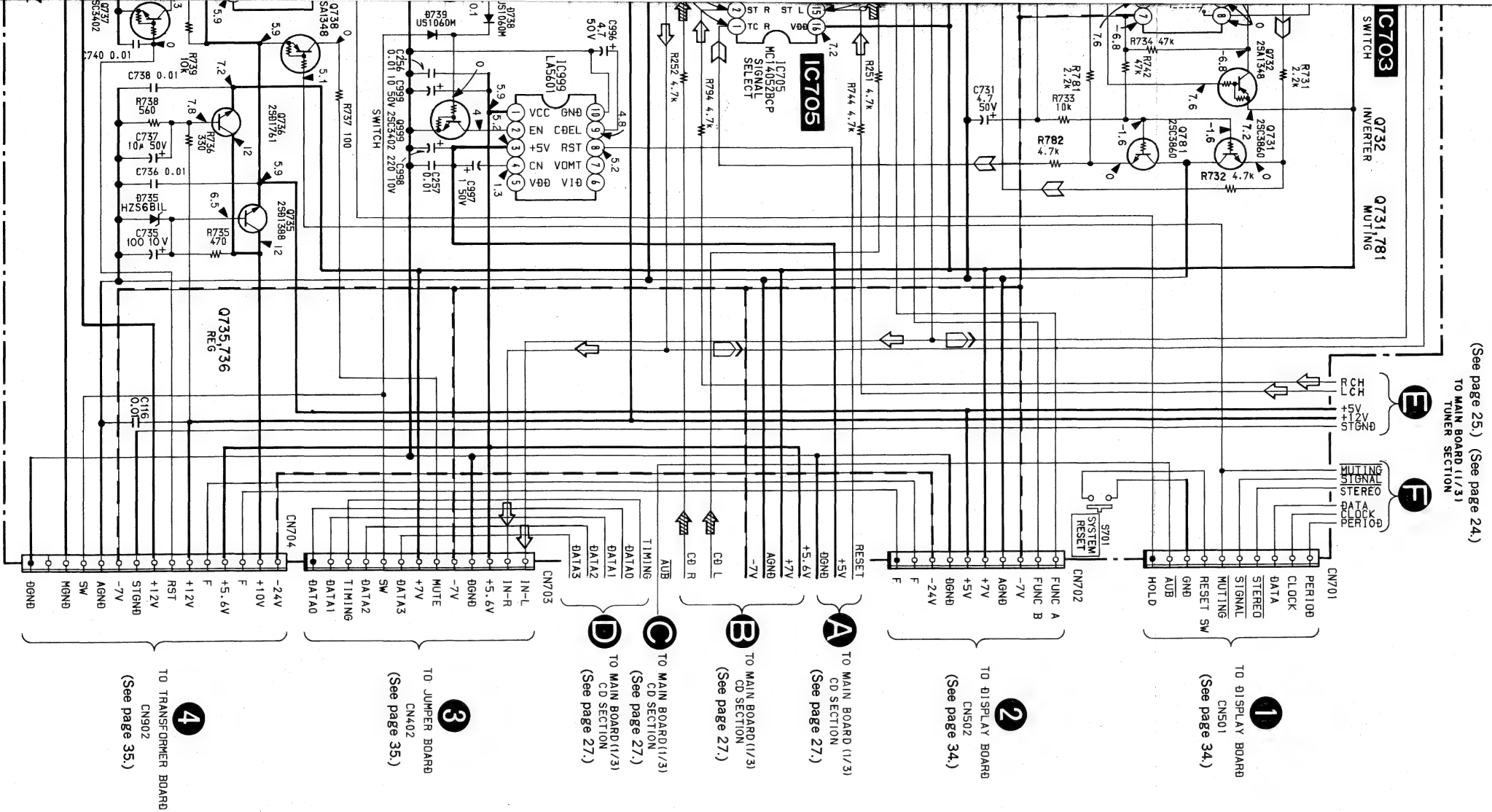
Note:
Les composants identifiés par une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



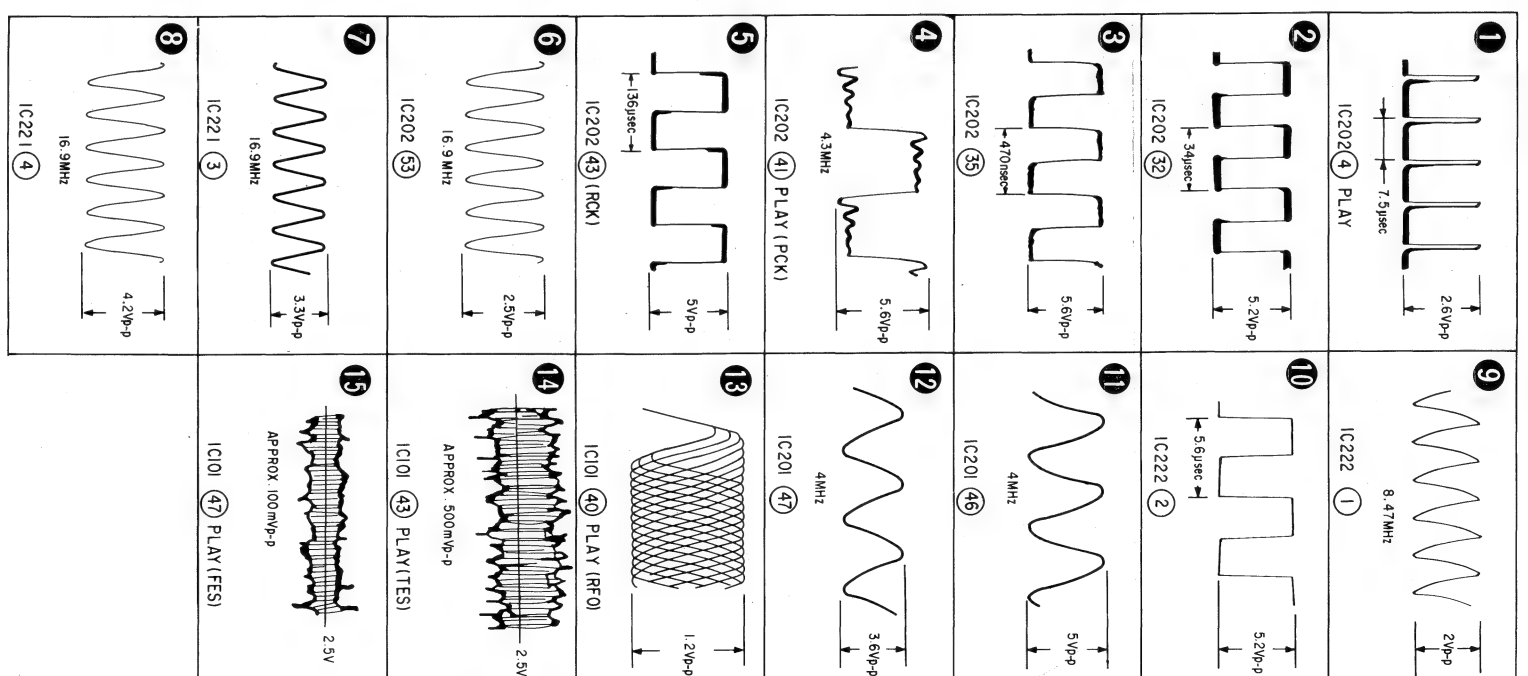
(See page 25.) (See page 24.)
TO MAIN BOARD (1/3)
TUNER SECTION

STEREO
DATA
CLOCK
RES





Waveforms



Note:

- All capacitors are in μF unless otherwise noted. pF: μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
- : B+ Line
- - - : B- Line
- : adjustment for repair.
- Voltage is dc with respect to ground under no-signal conditions.
- no mark : POWER ON
- () : PLAY (DECK A)
- < > : REC
- Voltages are taken with a VOM (input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Signal path.

- ⇒ : FM
- ⇒ : PB (DECK A)
- ⇒ : CD
- ⇒ : PB (DECK B)
- ⇒ : REC

- CND: Canadian model
- WG: West Germany model
- IT: Italian model
- EE: East European model
- EA: Saudi Arabia model
- AUS: Australian model

1 2 3 4 5 6 7 8 9 10 11

[DISPLAY BOARD]

IC506
REMOTE CONTROL
RECEIVER

IC506
A10H3020S



Q575
LED DRIVE



R570
1K

R571
4.7K

IC505
SYSTEM
CONTROL

U.S. CND
E, EA, AUS
MODEL

Q576
RESET

R568
100K

C579
0.47 TF

C580
0.47 TF

C581
0.47 TF

C582
0.1

	A	B	C	D
E, EA, AUS	○	○	○	○
AEP, WG	○	○	○	○
EE	○	○	○	○
IT	○	○	○	○
U.S. CND	○	○	○	○

FL1501
FLUORESCENT INDICATOR TUBE

IC502
BUFFER

Q501, 551
DBFB SWITCH

IC501
GEO AMP

Q572, 573
SURROUND
SWITCH

R572
100K

R573
4.7K

R574
50V

R575
10K

R576
10K

IC551
GEO AMP

R551
100K

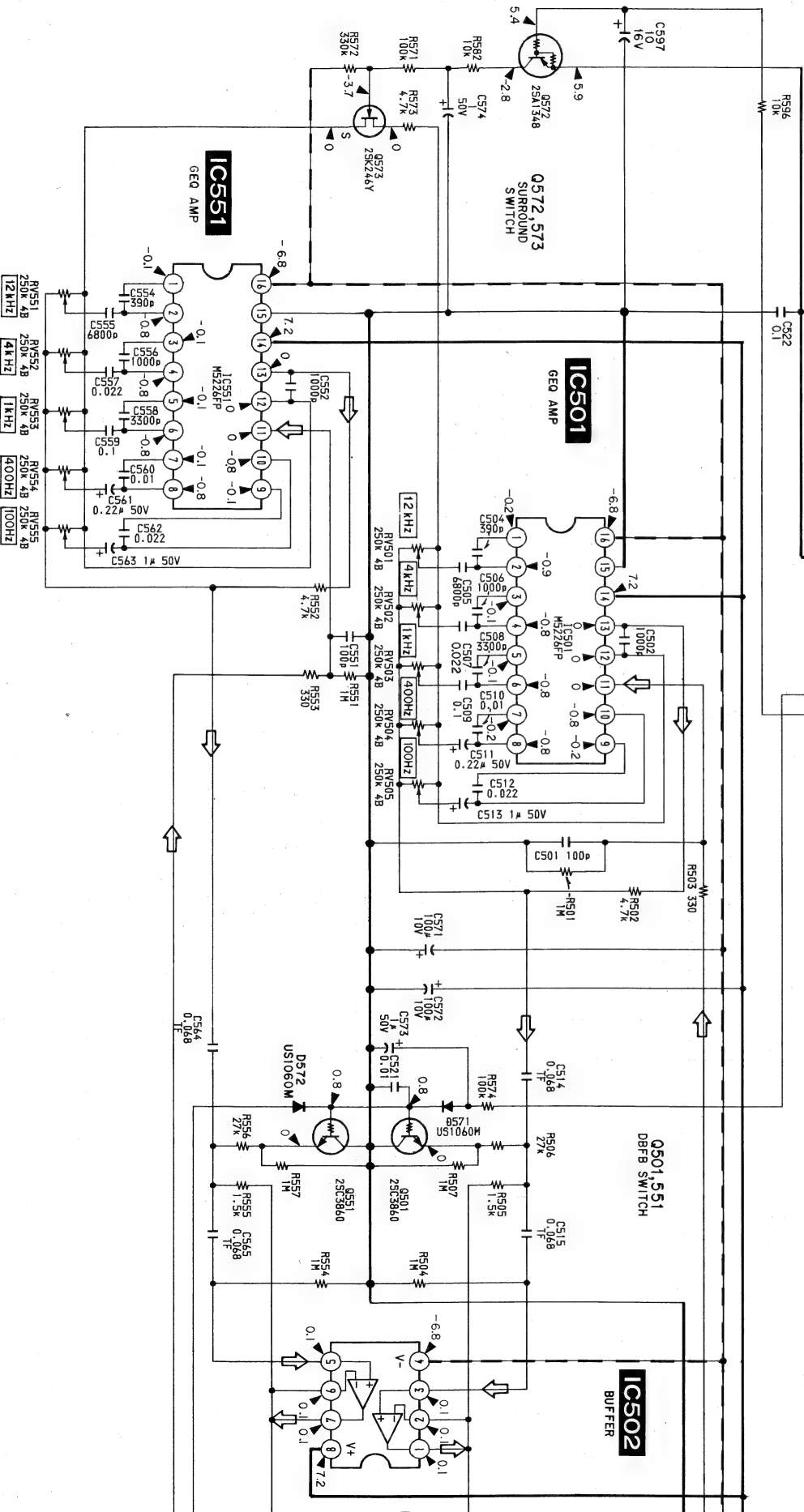
R552
4.7K

R553
10K

R554
10K

R555
10K

R556
10K



1 2 3 4 5 6 7 8 9 10 11

[DISPLAY BOARD]

IC506
REMOTE CONTROL
RECEIVER

IC506
A10H30205

1 2 3

Q575
LED DRIVE

5.9
5.7

5.9
5.7

5.9
5.7

5.9
5.7

5.9
5.7

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5.7

5.9
5.7

5.9
5.7

5.9
5.7

5.9
5.7

5.9
5.7

	A	B	C	D
E,EA,AUS	○	○	○	○
AEP,WG	○	○	○	○
EE	○	○	○	○
IT	○	○	○	○
US,CND	○	○	○	○



IC505
SYSTEM
CONTROL

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

IC505

FL1501
FLUORESCENT INDICATOR TUBE

IC501,551
DIFB SWITCH

IC501,551

IC501,551

IC501,551

IC501,551

IC501,551

IC501,551

IC501,551

IC501,551

IC501,551

IC501,551

IC501,551

IC501,551

IC501,551

IC501,551

IC501,551

IC501,551

IC501,551

IC501,551

IC501,551

IC501,551

IC501,551

IC502
BUFFER

IC502

IC502

IC502

IC502

IC502

IC502

IC502

IC502

IC502

IC502

IC502

IC502

IC502

IC502

IC502

IC502

Q574
AU BUS SWITCH

Q574

Q574

Q574

Q574

Q574

Q574

Q574

Q574

Q574

Q574

Q574

Q574

Q574

Q574

Q574

Q574

Q574

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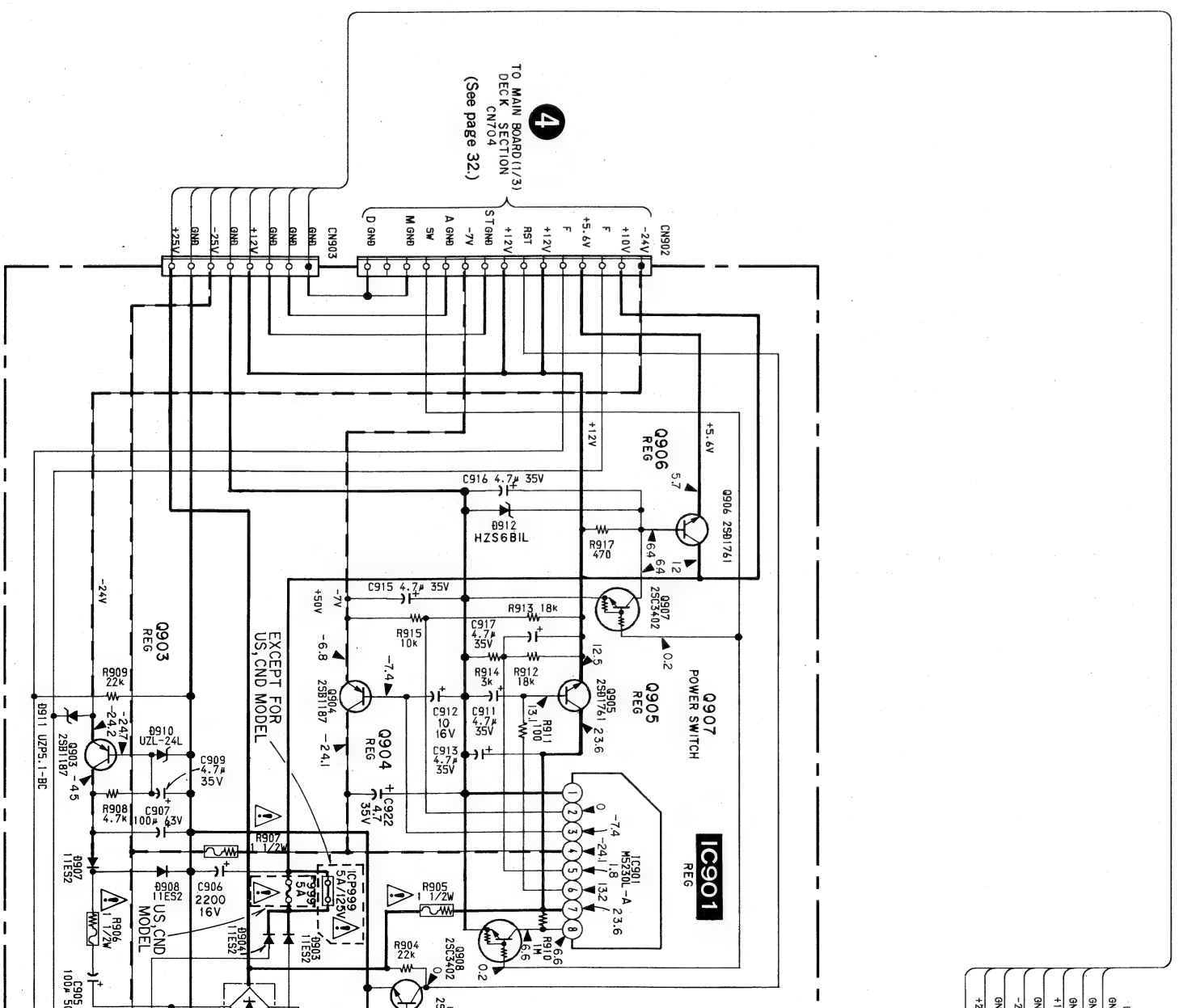
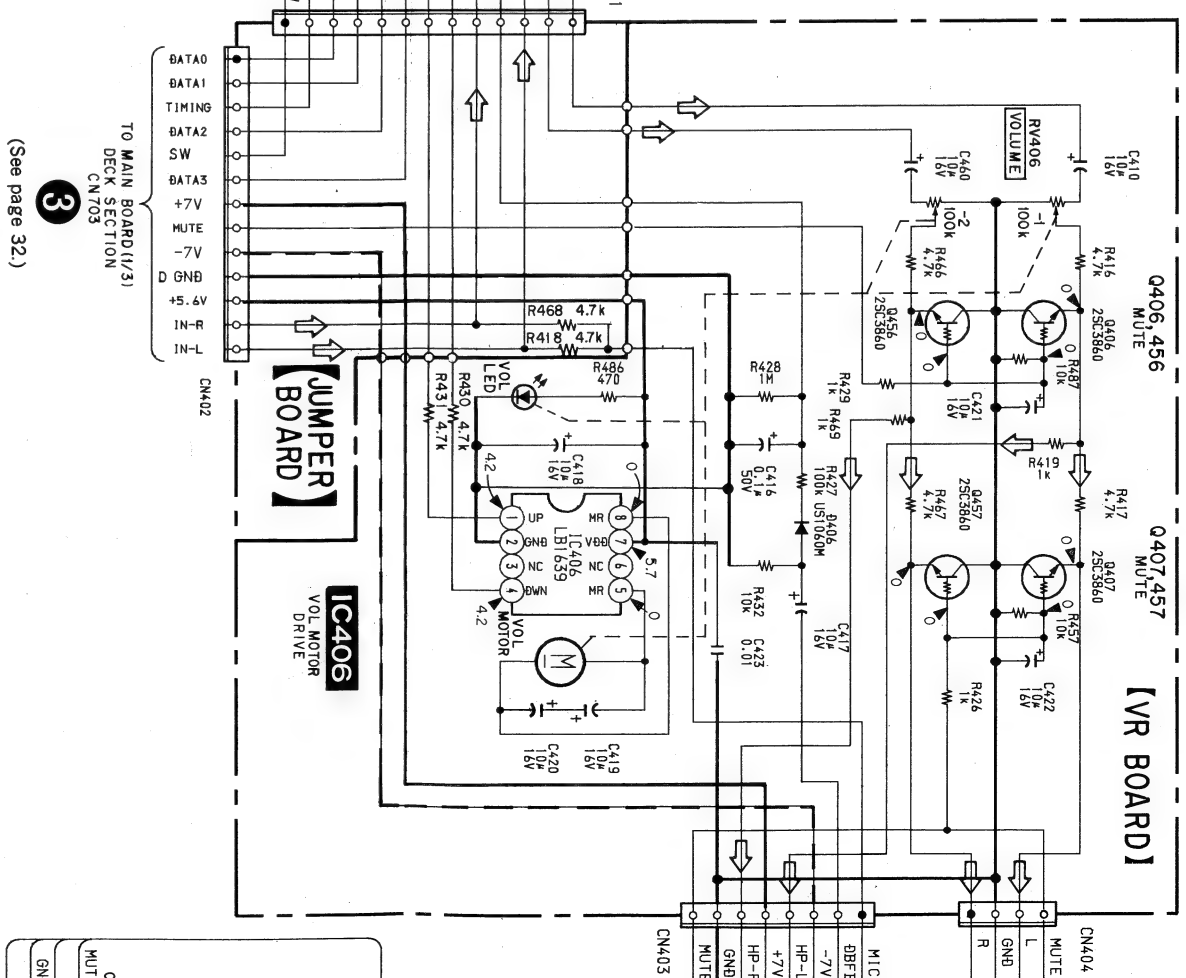
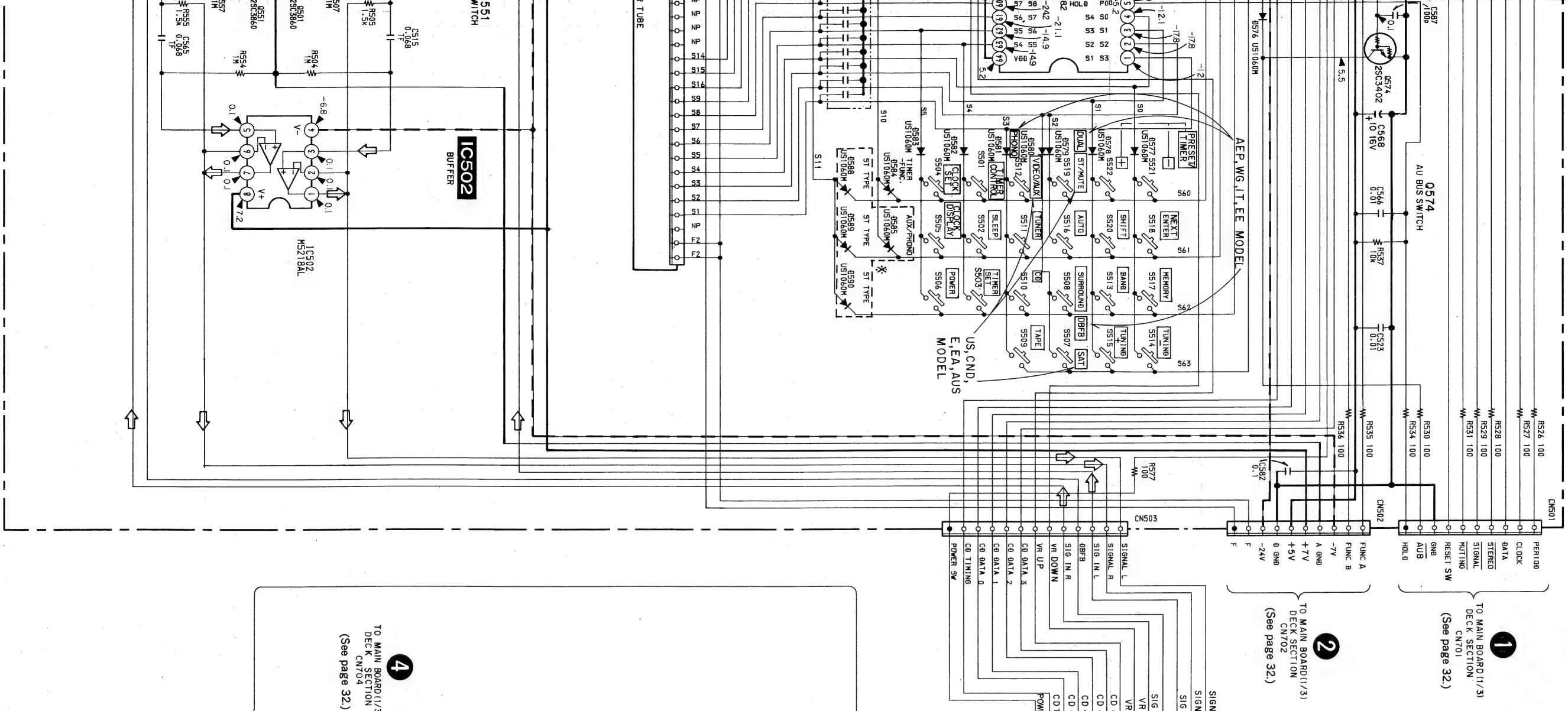
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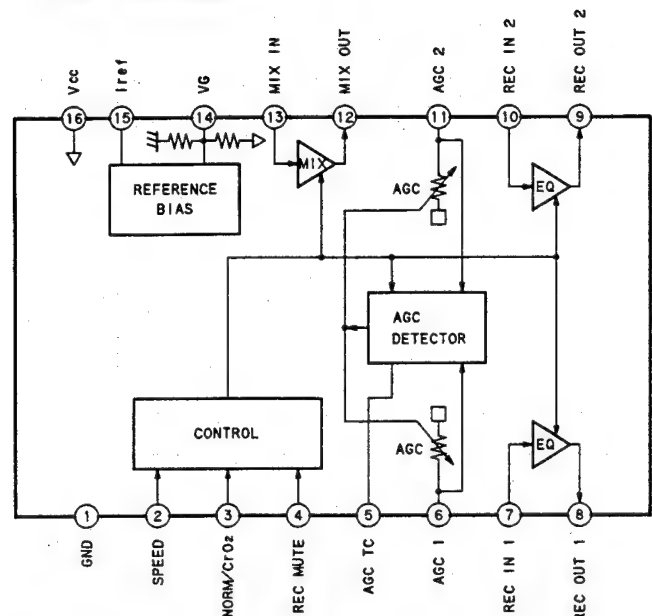
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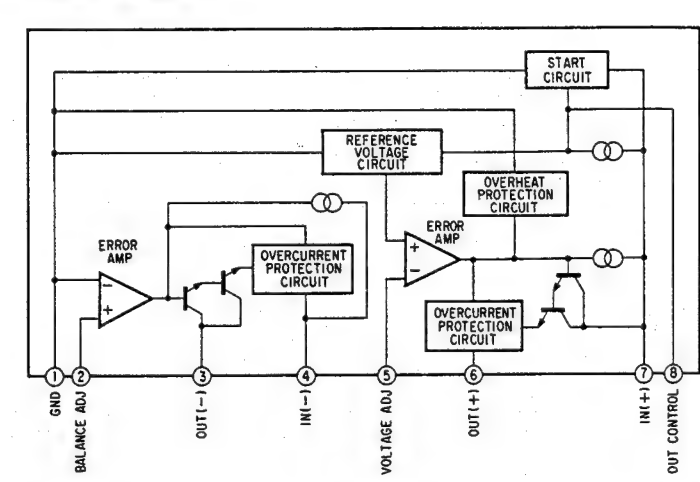
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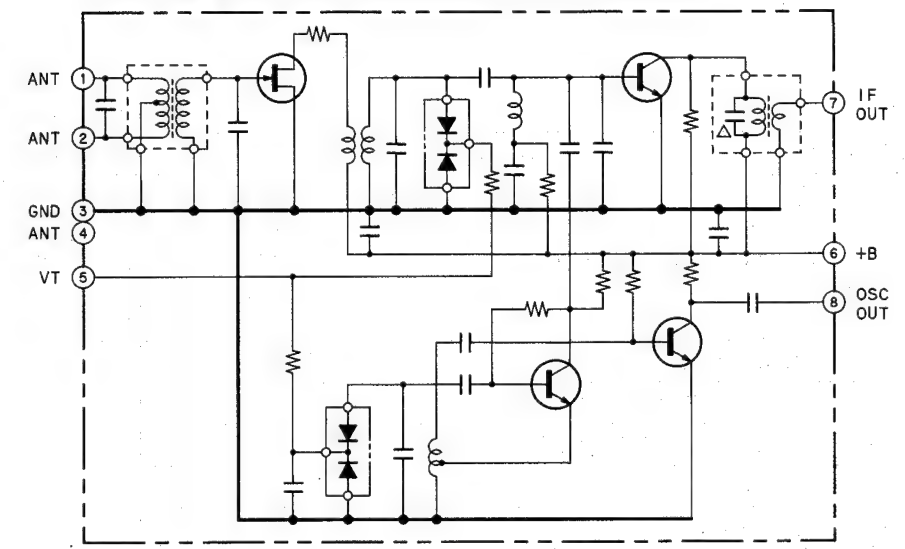
• IC704 CXA1298AP



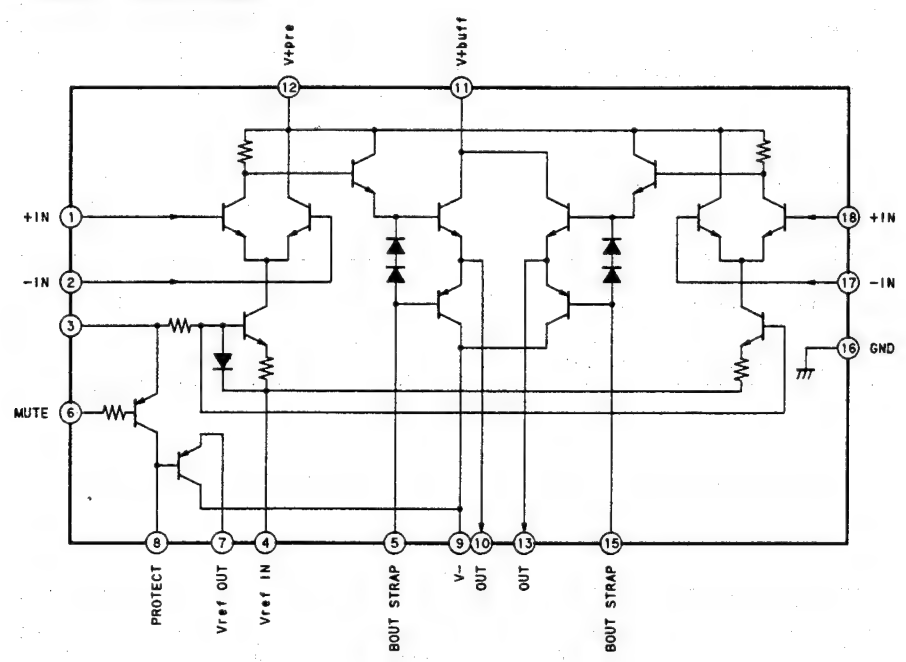
• IC901 M5230L



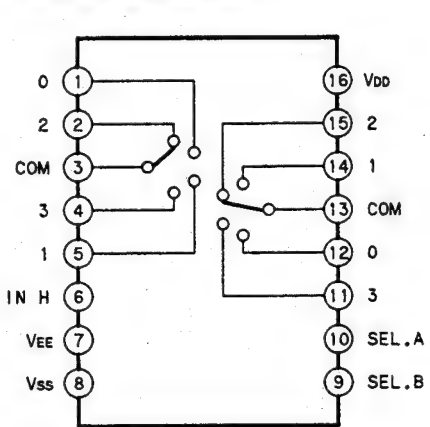
• FE1 FM Front End (US, CND, AEP, EE, E,EA, AUS)



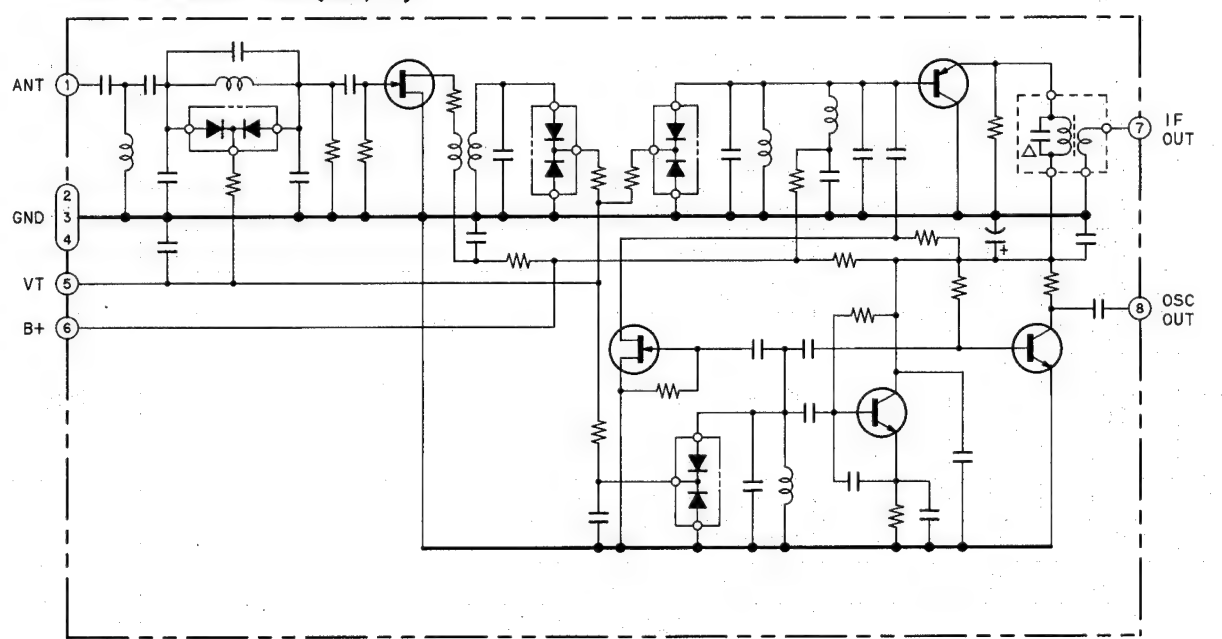
• IC801 STK-4122MK2



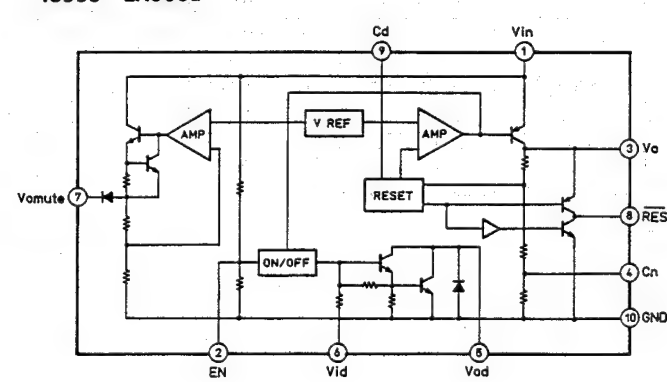
• IC705 MC14052BCP



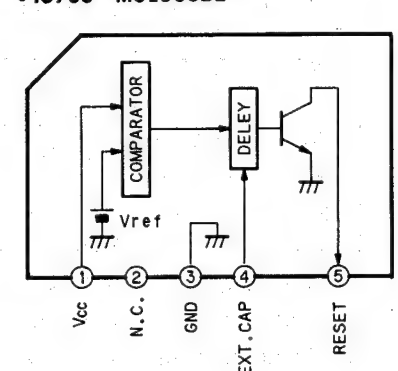
• FE1 FM Front End (WG, IT)



• IC999 LA5601



• IC706 M51953BL



6-9. PIN FUNCTIONS

● IC505 Display Control (μ PD75212)

Pin No.	Pin Name	I/O	ACTIVE	Description	Hold
1	S3	O	H	Segment, keyscan output terminals	Low
2	S2				
3	S1				
4	S0				
5	INT4	I	L	HOLD input	input
6	SCK	O	—	CLOCK (TC9217P T-BUS)	
7	SO	I/O	—	DATA (TC9217P T-BUS)	
8	PO3	I	L	SIGNAL input	
9	INT0	I	L	AUDIO-BUS input	input
10	INT1	I	Down	CD display data, timng	
11	P12	I	L	Remote control input	
12	P13	I	L	STEREO input	
13	P20	I	—	CD display data	input
14	P21				
15	P22				
16	P23				
17	P30	I	L	DUAL 2 input	input
18	P31	I	L	DUAL 1 input	
19	P32	O	L	POWER port	
20	P33	O	L	MUTING	
21	P60	I	H	Keyscan input	input
22	P61				
23	P62				
24	P63				
25	P40	O	—	FUNCTION A output	Low
26	P41	O	—	FUNCTION B output	
27	P42	O	H	AUDIO-BUS output	
28	P43	O	L	PERIOD (TC9217P T-BUS)	
29	PP0	—	—	Not used (open)	—
30	X1	—	—	Main system clock 4.19MHz	—
31	X2				
32	V _{ss}	—	—	GND terminal (0V)	—
33	XT1	—	—	Sub system clock 32.768kHz	—
34	XT2				
35	P50	O	L	DBFB	Low
36	P51	O	L	SURROUND	
37	P52	O	L	Volume DOWN	
38	P53	O	L	Volume UP	
39	RESET	I	L	System reset input terminal	—
40	T0	O	H	Digit output	Low
41	T1				

Pin No.	Pin Name	I/O	ACTIVE	Description	Hold
42	T2	O	H	Digit output	Low
43	T3				
44	T4				
45	T5				
46	T6				
47	T7				
48	T8				
49	T9	O	—	Not used (open)	Low
50	S15	O	H	Segment output	Low
51	S14				
52	S13				
53	S12	O	H	Segment output, specification distinction diode output	Low
54	S11				
55	S10				
56	V _{LOAD}	—	—	Pull-down resistor connect terminal of FIP driver	—
57	V _{PRE}	—	—	Power supply terminal of FIP driver output buffer	—
58	S9	O	H	Segment output	Low
59	S8				
60	S7				
61	S6	O	H	Segment, keyscan output teminal	Low
62	S5				
63	S4				
64	V _{DD}	—	—	Power supply terminal (5V)	—

[KEY, DIODE MATRIX]

	Key						Diode	
	S5	S4	S3	S2	S1	S0	S10	S11
P60	CLOCK	TIMER CONTROL	VIDEO	DUAL	STATION UP	STATION DOWN	TIMER FUNCTION	A
P61	DISPLAY	SLEEP	TUNER	AUTO/MANUAL	SHIFT	ENTER	VIDEO/PHONO	B
P62	POWER	TIMER SET	CD	SURROUND	BAND	MERORY	IF+50kHz	C
P63	—	—	TAPE	DBFB	TUNING UP	TUNING DOWN	IF-50kHz	—

- 1) Pressing the key twice is not allowed. (First pressing is preceded)
- 2) The remote control precedes the input with the pey.
- 3) Input the diode in resetting and in releasing HOLD.

● IC201 CD Controller (μ PD75112CW)

Pin No.	Pin Name	I/O	Description
1	INSW	I	Disk tray clamp-end input
2	OUTSW	I	Disk tray open-end input
3	(TIMER)	I	Timer start input
4	BSIN	I	Audio bus input
5	Not Used	I	GND
6	Not Used	I	GND
7	Not Used	I	GND
8	Not Used	I	GND
9	SENS	I	SENS input, and the state input of every kind from CXD2500Q and CXA1372Q
10	Not Used	I	GND
11	SENS	I	SENS input, and the state input of every kind from CXD2500Q and CXA1372Q
12	Not Used	I	GND
13	Not Used	I	GND
14	Not Used	I	GND
15	SUBQ	I	Q data serial input from CXD2500Q
16	Not Used	O	OPEN
17	SQCLK	O	Sub-code Q data read-in clock output for CXD2500Q
18	SCOR	I	Sub-code synchro S0 and S1 detect input
19	Not Used	O	OPEN
20	Not Used	O	OPEN
21	PLAYL	O	Play LED ON/OFF output
22	PAUSL	O	Pause LED ON/OFF output
23	KEY3	I	Key data input
24	KEY2	I	Key data input
25	KEY1	I	Key data input
26	KEY0	I	Key data input
27	DG3	O	Key-scan digit output
28	DG2	O	Key-scan digit output
29	DG1	O	Key-scan digit output
30	DG0	O	Key-scan digit output
31	Not Used	I	+5V
32	VDD	I	+5V
33	Not Used	O	OPEN
34	Not Used	O	OPEN
35	Not Used	O	OPEN
36	Not Used	O	On time 1 track jump, tracking drive is inversed output for CXA1372Q
37	DPDAT3	O	Display data output for tuner amp micon
38	DPDAT2	O	Display data output for tuner amp micon
39	DPDAT1	O	Display data output for tuner amp micon
40	DPDAT0	O	Display data output for tuner amp micon
41	DPCLK	O	Display data transmission clock output for tuner amp micon
42	PRGL	O	Serial data latch pulse output for digital filter CXD2551P
43	PRGCK	O	Serial clock output for digital filter CXD2551P
44	PRGD	O	Serial clock output for digital filter CXD2551P

Pin No.	Pin Name	I/O	Description
45	RESET	I	System reset input terminal (LOW ACTIVE)
46	X2	I	System clock input 4.19MHz
47	X1	I	System clock input 4.19MHz
48	DFCTSW	O	From focus in till spindle kick is ON except then is OFF.
49	AMUTE	O	Muting ON/OFF output
50	BSOUT	O	Audio bus output
51	AFADJ	I	Test mode input, and on time POWER "L" is test move ment of every kind
52	LDON	O	Laser diode ON/OFF output
53	XLT	O	Serial data latch pulse output for CXD2500Q
54	CLK	O	Serial clock output for CXD2500Q
55	DATA	O	Serial data output for CXD2500Q
56	Not Used	I	GND
57	ADJ	I	Test mode input, "L" is GFS no check.
58	GFS	I	GFS OK/NO Good input
59	FOK	I	Focus OK NO Good input
60	Not Used	O	OPEN
61	Not Used	O	OPEN
62	LODOUT	O	Disc tray loading-out output
63	LODIN	O	Disc tray loading-in output
64	VSS	I	GND

SECTION 7 EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.



- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.


- Color Indication of Appearance Parts
Example:

(RED) ... KNOB, BALANCE (WHITE)

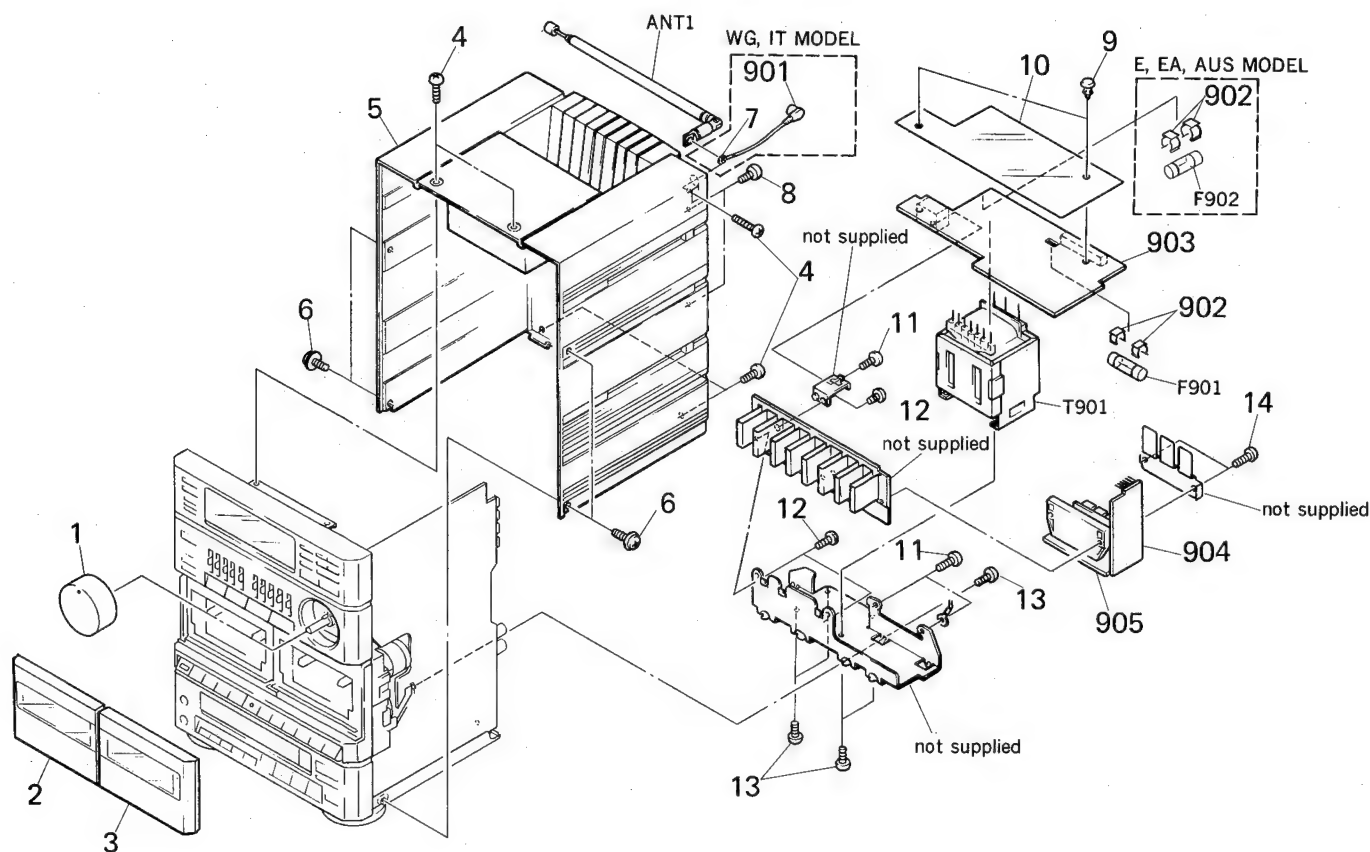
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Cabinet's Color







↑
Parts' Color

The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

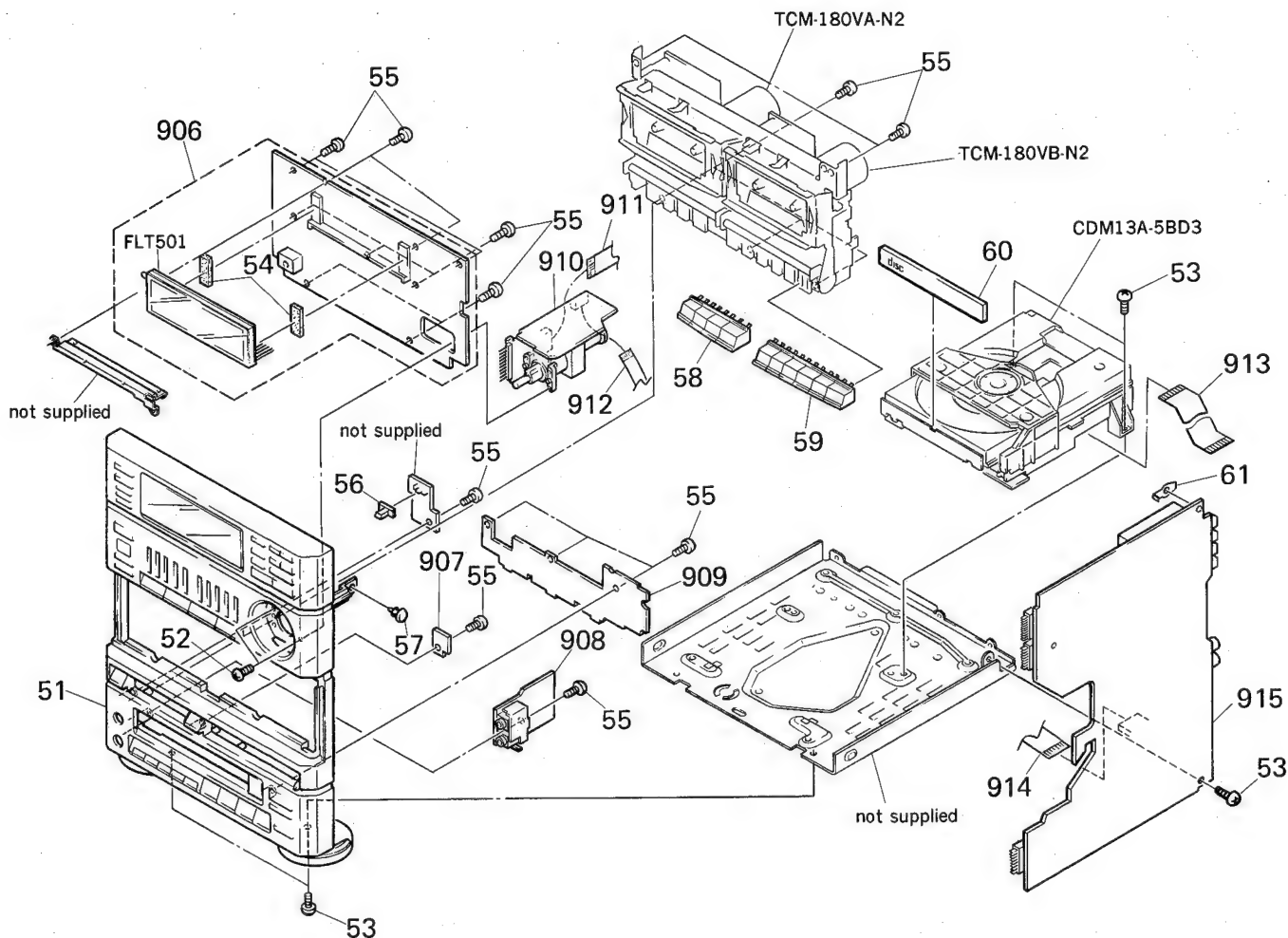
Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

7-1. CASE, POWER SUPPLY BLOCK



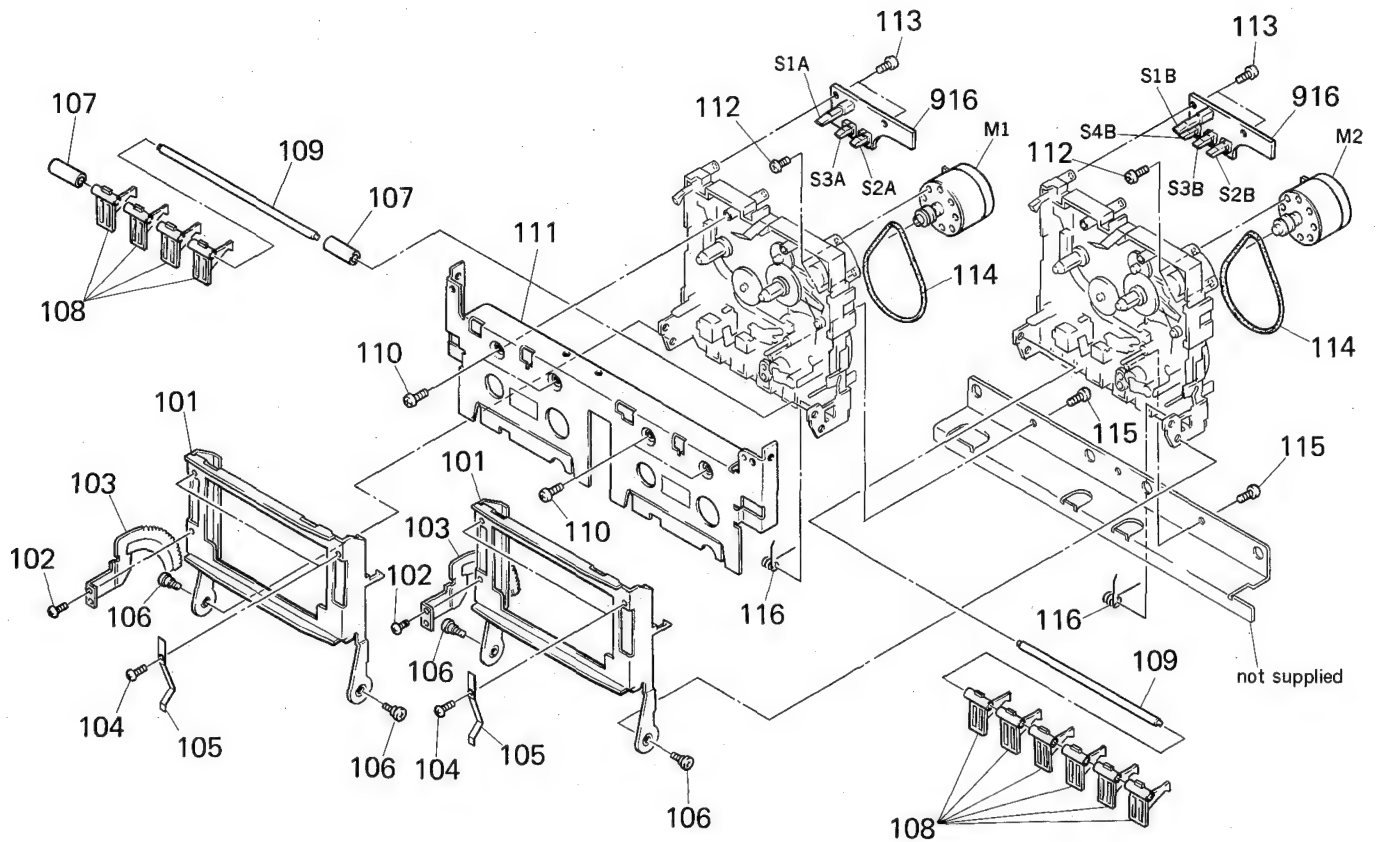
No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	X-4936-803-1	KNOB (VOLUME) ASSY		901	*1-562-908-11	(WG, IT)...CONNECTOR, FEMALE (NO SHIELD)	
2	X-4936-816-1	LID (A) ASSY, CASSETTE		902	1-533-213-31	HOLDER, FUSE	
3	X-4936-817-1	LID (B) ASSY, CASSETTE		903	*1-634-853-11	PC BOARD, TRANSFORMER	
4	7-632-549-04	SCREW +BVTT 3X10 (S)		904	*1-634-850-11	PC BOARD, CHEMICAL CONDENSOR	
5	X-4936-802-1	(EXCEPT E, EA, AUS)...CASE ASSY		905	*1-634-849-11	PC BOARD, POWER	
	X-4936-804-1	(E, EA, AUS).....CASE ASSY		ANT1	1-501-270-00	ANTENNA, TELESCOPIC	
6	3-704-366-01	SCREW (CASE) (M3X8)		F901	 1-532-215-00	(EXCEPT US, Canadian)...FUSE, TIME-LAG	
7	7-523-508-11	(WG, IT)...EARTH, LUG 3		F901	 1-532-555-00	(US, Canadian)...FUSE, GLASS TUBE (1.6A)	
8	7-685-648-19	SCREW +BVTP 3X12		F902	 1-532-259-00	(E, EA, AUS).....FUSE, TIME-LAG (T 1.6A)	
9	4-812-134-31	RIVET NYLON, 3.5		T901	 1-450-055-11	(E, EA, AUS).....TRANSFORMER, POWER	
10	*4-936-816-01	COVER (INSULATING)		T901	 1-450-056-11	(AEP, WG, IT, EE)...TRANSFORMER, POWER	
				T901	 1-450-057-11	(US, Canadian)...TRANSFORMER, POWER	
11	7-685-647-79	SCREW +BVTP 3X10 TYPE2 M-S					
12	7-685-645-71	SCREW +BVTP 3X6					
13	7-682-547-04	SCREW +BVTT 3X6 (S)					
14	7-685-650-79	SCREW +BVTP 3X16 TYPE2 IF-3					

7-2. FRONT PANEL, MAIN BOARD BLOCK



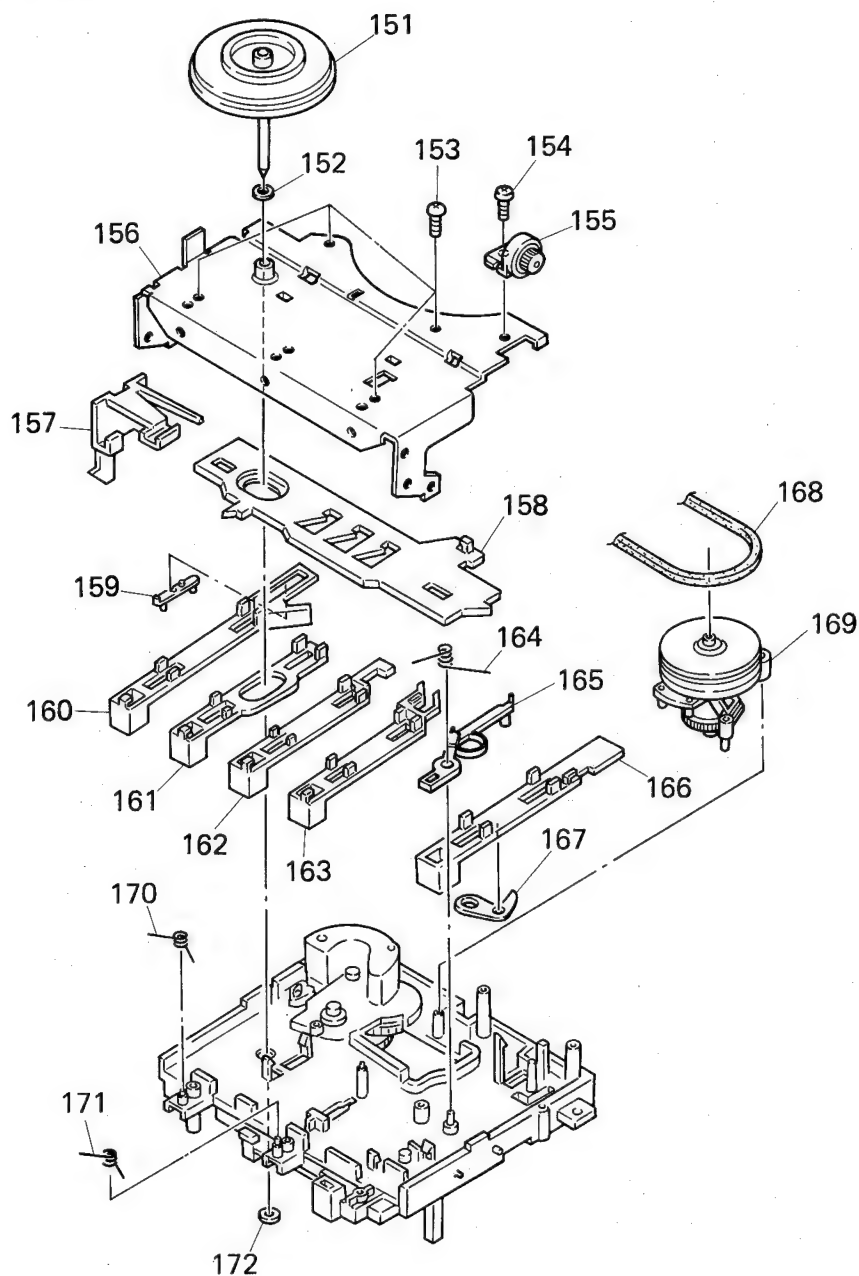
No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
51	X-4936-818-1	(US,Canadian,E,EA,AUS) ...PANEL ASSY, FRONT		907	*1-634-856-11	PC BOARD, REC LED	
	X-4936-822-1	(AEP,WG,IT,EE)...PANEL ASSY, FRONT		908	*1-634-857-11	PC BOARD, JACK	
52	7-685-872-01	SCREW +BVTT 3X8		909	*1-634-852-11	PC BOARD, SW	
53	7-682-547-04	SCREW +BVTT 3X6 (S)		910	*1-634-854-11	PC BOARD, VR	
54	*4-932-810-01	CUSHION (FL)		911	1-575-672-11	WIRE, FLAT TYPE (13 CORE)	
55	4-928-635-01	(EXCEPT AUS)...SCREW, +BV (2.6X8)TAPPING		912	1-575-674-11	WIRE, FLAT TYPE (8 CORE)	
	7-685-534-11	(AUS).....SCREW +BTP 2.6X8		913	1-535-832-11	JUMPER, FILM (WITH TERMINAL)	
56	4-936-868-01	KNOB (DOLBY)		914	1-575-673-11	WIRE, FLAT TYPE (15 CORE)	
57	4-812-134-31	RIVET NYLON, 3.5		915	*A-4334-271-A	(E,EA,AUS).....MOUNTED PCB, MAIN	
58	4-936-872-01	BUTTON (A)			*A-4334-279-A	(EE).....MOUNTED PCB, MAIN	
59	4-936-873-04	BUTTON (B)			*A-4334-282-A	(AEP).....MOUNTED PCB, MAIN	
60	4-936-833-01	PANEL, LOADING			*A-4334-286-A	(US,Canadian)...MOUNTED PCB, MAIN	
61	*4-925-530-01	PLATE, GROUND			*A-4334-292-A	(WG,IT).....MOUNTED PCB, MAIN	
906	*A-4334-274-A	(E,EA,AUS).....MOUNTED PCB, DISPLAY		917	1-634-461-11	PC BOARD, LOADING	
	*A-4334-281-A	(EE).....MOUNTED PCB, DISPLAY		FLT501	1-519-577-11	INDICATOR TUBE, FLUORESCENT	
	*A-4334-284-A	(AEP).....MOUNTED PCB, DISPLAY					
	*A-4334-287-A	(US,Canadian)...MOUNTED PCB, DISPLAY					
	*A-4334-294-A	(WG).....MOUNTED PCB, DISPLAY					
	*A-4334-296-A	(IT).....MOUNTED PCB, DISPLAY					

7-3. MD CHASSIS BLOCK



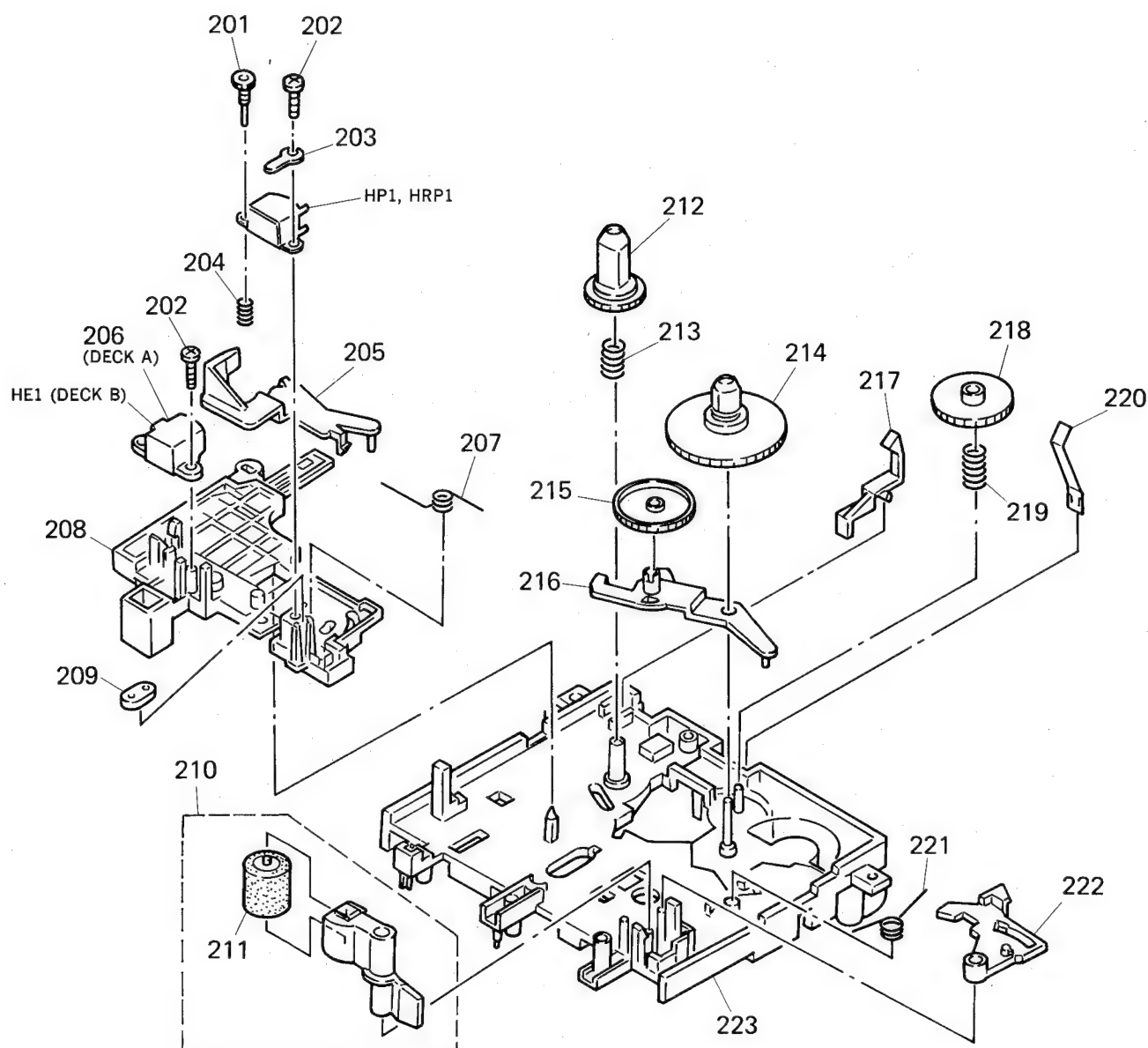
No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
101	3-358-282-01	HOLDER (FH), CASSETTE		116	3-358-278-01	SPRING (LOADING FH), TORSION	
102	7-621-255-25	SCREW +PTT 2X4 (S)		916	*1-635-160-11	(DECK A)...PC BOARD, SWITCH (A)	
103	*3-358-276-01	RACK, GEAR			*1-635-160-11	(DECK B)...PC BOARD, SWITCH (B)	
104	7-621-255-10	SCREW +PTT 2X3 (S)		M1	X-3358-211-1	(DECK A)...MOTOR (A) ASSY	
105	3-358-280-01	SPRING (CASSETTE HOLDER FH)		M2	X-3358-211-1	(DECK B)...MOTOR (A) ASSY	
106	3-358-277-01	SCREW, STEP		S1A	1-572-335-11	(DECK A)...SWITCH, LEAF (Cr02)	
107	*3-358-216-01	(DECK A)...COLLAR		S1B	1-572-335-11	(DECK B)...SWITCH, LEAF (Cr02)	
108	3-358-269-01	LEVER (BUTTON BASE B)		S2A	1-571-736-11	(DECK A)...SWITCH, LEAF (MD POWER)	
109	3-358-242-01	SHAFT (BUTTON SHAFT)		S2B	1-571-736-11	(DECK B)...SWITCH, LEAF (MD POWER)	
110	7-685-534-19	SCREW +BTP 2.6X8		S3A	1-571-736-11	(DECK A)...SWITCH, LEAF (PLAY)	
111	*4-936-874-01	JOINT (UPPER)		S3B	1-571-736-11	(DECK B)...SWITCH, LEAF (PLAY)	
112	7-621-775-20	SCREW +B 2.6X5		S4B	1-571-736-11	(DECK B)...SWITCH, LEAF (REC)	
113	7-685-133-19	SCREW +BTP 2.6X6 TYPE2 N-S					
114	3-358-230-01	BELT (A)					
115	4-929-635-01	(EXCEPT AUS)...SCREW, +BV(2.6X8) TAPPING					
	7-685-534-11	(AUS).....SCREW +BTP 2.6X8					

7-4. MECHANISM DECK BLOCK (1)



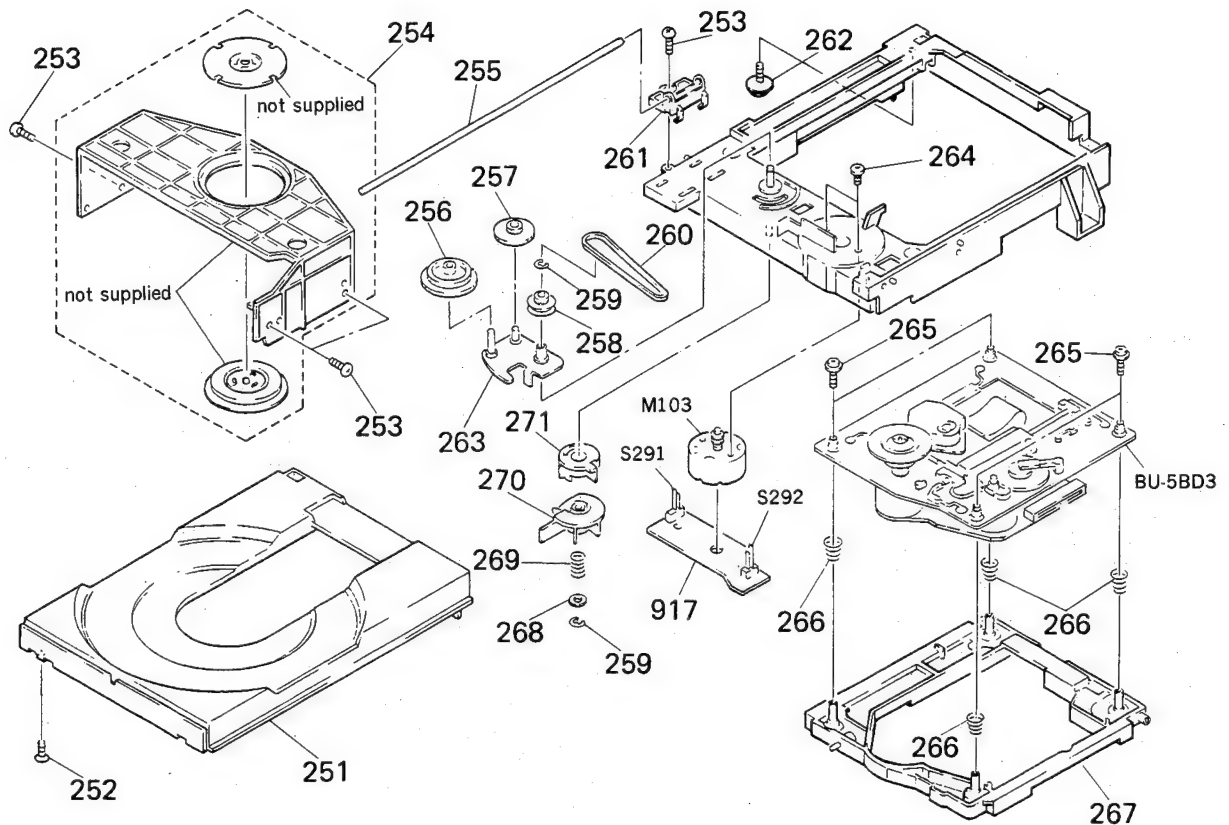
No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
151	X-3358-205-1	FLYWHEEL (A) ASSY		164	3-358-214-01 3-358-233-01	(DECK A)...SPRING (LOCK), TORSION (DECK B)...SPRING (REC-LOCK), TORSION	
152	3-701-437-01	WASHER		165	*3-358-251-01	LEVER (TENSION DETECTION ARM)	
153	7-685-133-19	SCREW +P 2,6X6 TYPE1		166	3-358-259-01	(DECK B)...SLIDER (REC)	
154	7-685-870-01	SCREW +BVTT 3X5 (S)		167	*3-358-204-01	(DECK B)...LEVER (REC SAFETY)	
155	4-919-393-01	DAMPER		168	3-358-230-01	BELT (A)	
156	*X-3358-216-1	BRACKET (FH) ASSY		169	X-3358-202-1	LEVER (FR ARM) ASSY	
157	3-358-281-01	SLIDER (HOLDER LOCK FH)		170	3-358-232-01 3-358-279-01	(DECK B)...SPRING (S-P F-R), TORSION (DECK A)...SPRING (STOP), TORSION	
158	*3-358-249-01	SLIDER (LOCK PLATE)		171	3-358-232-01	SPRING (S-P F-R), TORSION	
159	*3-358-226-01	(DECK B)...LEVER (PAUSE LEVER)		172	7-623-921-01	WASHER 1.7, NYLONE	
160	3-358-260-01	(DECK B)...SLIDER (PAUSE)					
161	3-358-256-01	SLIDER (STOP/EJECT)					
162	3-358-257-01	SLIDER (FF)					
163	3-358-258-01	SLIDER (REW)					

7-5. MECHANISM DECK BLOCK (2)



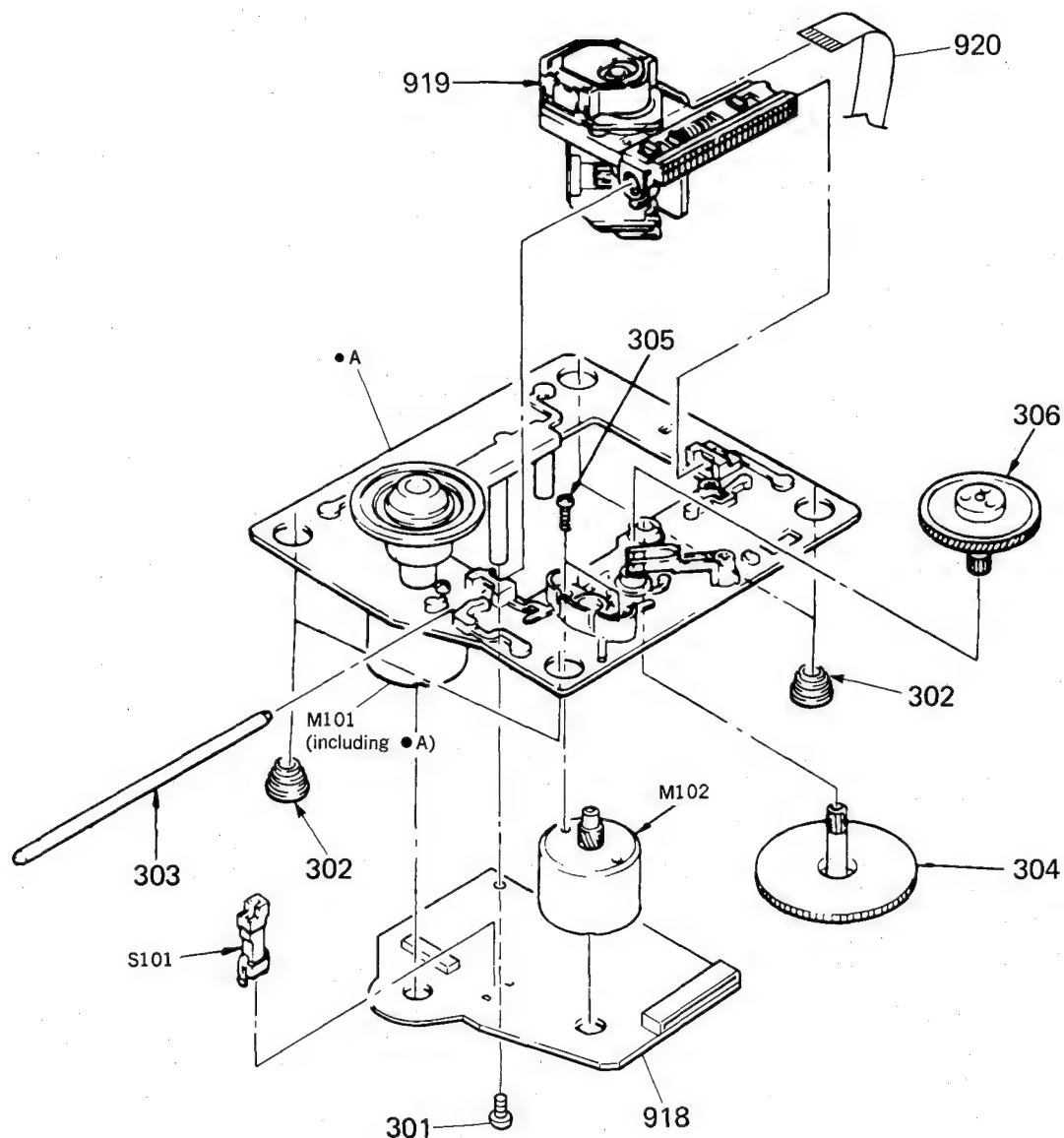
No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
201	3-358-213-01	SCREW, AZIMUTH		214	X-3358-203-1	TABLE (T) ASSY, REEL	
202	7-695-105-19	TPG +P 2X8, TYPE 2, NON-SLIT		215	*3-358-284-01	GEAR (TU GEAR)	
203	7-623-505-01	LUG, 2		216	*3-358-252-01	LEVER (TU ARM)	
204	3-358-234-01	SPRING (AZIMUTH), COMPRESSION		217	*3-358-255-01	(DECK B)...LEVER (GB LEVER)	
205	3-358-286-01	LEVER (MOTOR LEVER)		218	*3-358-224-01	GEAR (FF GEAR)	
206	3-358-285-01	(DECK A)...GUIDE, TAPE		219	3-358-207-01	SPRING (FF GEAR), COMPRESSION	
207	3-358-228-01	SPRING, TORSION		220	3-358-227-01	SPRING, LEAF	
208	3-358-265-01	SLIDER (HEAD PC BOARD A)		221	3-358-243-01	SPRING (TU-SHUT), TORSION	
209	*3-358-215-01	BUSHING (WIRE KIT RETAINER)		222	*3-358-253-01	LEVER (SHUT-OFF LEVER)	
210	X-3358-204-1	LEVER (PINCH LEVER) ASSY	211	223	*X-3358-215-1	CHASSIS (B) ASSY	
211	3-578-143-11	PINCH ROLLER		HE1	1-543-673-11	HEAD, MAGNETIC (ERASE)	
212	3-358-248-01	GEAR (SUPPLY REEL)		HP1	1-543-672-11	HEAD, MAGNETIC (REC/PB)	
213	3-358-208-01	SPRING (SUPPLY), COMPRESSION		HRP1	1-543-672-11	HEAD, MAGNETIC (REC/PB)	

7-6. CD BLOCK (1)
(CDM13A-5BD3)





No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
251	4-929-732-01	TABLE, DISK		263	X-4929-703-1	ARM ASSY, SWING	
252	7-685-234-19	SCREW +KTP 2.6X8 TYPE2NON-SLIT		264	7-621-775-10	SCREW +B 2.6X4	
253	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S		265	4-933-134-01	SCREW (+PTPHW M2.6X6)	
254	A-4604-219-A	HOLDER (MG) ASSY		266	4-917-541-01	SPRING (B)	
255	4-929-721-01	SHAFT		267	4-929-747-01	HOLDER (BU)	
256	4-927-620-01	GEAR (P)		268	4-927-654-01	WASHER (LIMITER)	
257	4-927-628-01	GEAR (C)		269	3-659-338-00	SPRING, COMPRESSION	
258	4-929-724-01	PULLEY (B)		270	4-929-729-01	CAM (B)	
259	7-624-105-04	STOP RING 2.3, TYPE -E		271	4-929-727-01	CAM (A)	
260	4-927-649-01	BELT		M103	A-4608-362-A	MOTOR (L) ASSY (LOADING)	
261	4-929-723-01	GUIDE (T)		S291	1-571-924-11	SWITCH, LEAF (LOAD OUT)	
262	*4-917-583-21	BRACKET, YOKE		S292	1-571-924-11	SWITCH, LEAF (LOAD IN)	


7-7. CD BLOCK (2) (BU-5BD3)




Note:

The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
301	7-685-134-19	SCREW +BTP 2.6X8 TYPE2 N-S		918	*A-4617-371-A	MOUNTED PCB, BD	
302	4-933-126-01	INSULATOR (A)		919	 8-848-144-11	DEVICE, OPTICAL KSS-240A	
303	4-917-565-01	SHAFT, SLED		920	1-575-001-11	WIRE, FLAT TYPE (12 CORE)	
304	4-917-564-01	GEAR (P), FLATNESS		M101	X-4917-523-3	MOTOR ASSY (SPINDLE)	
305	7-621-255-15	SCREW +P 2X3		M102	X-4917-504-1	MOTOR ASSY (SLED)	
306	4-917-567-01	GEAR (M)		S101	1-572-085-11	(BD)...SWITCH, LEAF (LIMIT IN)	

SECTION 8 ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:MF: μ F, PF: μ F.**RESISTORS**

- All resistors are in ohms.
- F: nonflammable

COILS

- MMH: mH, UH: μ H

SEMICONDUCTORSIn each case, U: μ , for example:
 UA...: μ A..., UPA...: μ PA...,
 UPC...: μ PC, UPD...: μ PD...

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
901	*1-562-908-11	(WG,IT)...CONNECTOR, FEMALE (NO SHIELD)	C21	1-161-379-00	(AEP,EE,E,EA,AUS)
902	1-533-213-31	HOLDER, FUSE			...CERAMIC 0.01MF 30% 16V
903	*1-634-853-11	PC BOARD, TRANSFORMER	C22	1-102-947-00	(E,EA,AUS)...CERAMIC 10PF 0.5PF 50V
904	*1-634-850-11	PC BOARD, CHEMICAL CONDENSOR	C23	1-136-162-00	(E,EA,AUS)...FILM 0.056MF 5% 50V
905	*1-634-849-11	PC BOARD, POWER	C24	1-136-161-00	(E,EA,AUS)...FILM 0.047MF 5% 50V
906	*A-4334-274-A	(E,EA,AUS).....MOUNTED PCB, DISPLAY	C51	1-164-056-11	CERAMIC 27PF 5% 50V
	*A-4334-281-A	(EE).....MOUNTED PCB, DISPLAY	C52	1-164-056-11	CERAMIC 27PF 5% 50V
	*A-4334-284-A	(AEP).....MOUNTED PCB, DISPLAY	C53	1-161-379-00	CERAMIC 0.01MF 30% 16V
	*A-4334-287-A	(US,Canadian)...MOUNTED PCB, DISPLAY	C54	1-161-379-00	CERAMIC 0.01MF 30% 16V
	*A-4334-294-A	(WG).....MOUNTED PCB, DISPLAY	C55	1-161-379-00	CERAMIC 0.01MF 30% 16V
	*A-4334-296-A	(IT).....MOUNTED PCB, DISPLAY	C56	1-161-379-00	CERAMIC 0.01MF 30% 16V
907	*1-634-856-11	PC BOARD, REC LED	C57	1-161-379-00	CERAMIC 0.01MF 30% 16V
908	*1-634-857-11	PC BOARD, JACK	C58	1-123-875-11	ELECT 10MF 20% 50V
909	*1-634-852-11	PC BOARD, SW	C59	1-161-379-00	CERAMIC 0.01MF 30% 16V
910	*1-634-854-11	PC BOARD, VR	C60	1-124-477-11	ELECT 47MF 20% 25V
911	1-575-672-11	WIRE, FLAT TYPE (13 CORE)	C61	1-124-925-11	ELECT 2.2MF 20% 50V
912	1-575-674-11	WIRE, FLAT TYPE (8 CORE)	C62	1-136-153-00	FILM 0.01MF 5% 50V
913	1-535-832-11	JUMPER, FILM (WITH TERMINAL)	C63	1-124-463-00	ELECT 0.1MF 20% 50V
914	1-575-673-11	WIRE, FLAT TYPE (15 CORE)	C64	1-124-902-00	(AEP,WG,IT,EE)
915	*A-4334-271-A	(E,EA,AUS).....MOUNTED PCB, MAIN			...ELECT 0.47MF 20% 50V
	*A-4334-279-A	(EE).....MOUNTED PCB, MAIN	C65	1-136-157-00	(AEP,WG,IT,EE)
	*A-4334-282-A	(AEP).....MOUNTED PCB, MAIN			...FILM 0.022MF 5% 50V
	*A-4334-286-A	(US,Canadian)...MOUNTED PCB, MAIN	C66	1-136-157-00	(AEP,WG,IT,EE)
	*A-4334-292-A	(WG,IT).....MOUNTED PCB, MAIN			...FILM 0.022MF 5% 50V
916	*1-635-160-11	(DECK A)...PC BOARD, SWITCH (A)	C67	1-162-282-31	CERAMIC 100PF 10% 50V
	*1-635-160-11	(DECK B)...PC BOARD, SWITCH (B)	C81	1-161-379-00	CERAMIC 0.01MF 30% 16V
917	1-634-461-11	PC BOARD, LOADING	C82	1-124-472-11	ELECT 470MF 20% 10V
918	*A-4617-371-A	MOUNTED PCB, BD	C83	1-161-379-00	CERAMIC 0.01MF 30% 16V
919	Δ 9-848-144-11	DEVICE, OPTICAL KSS-240A	C84	1-123-875-11	ELECT 10MF 20% 50V
920	1-575-001-11	WIRE, FLAT TYPE (12 CORE)	C85	1-161-379-00	CERAMIC 0.01MF 30% 16V
ANT1	1-501-270-00	ANTENNA, TELESCOPIC	C86	1-162-282-31	CERAMIC 100PF 10% 50V
C1	1-162-195-31	(AEP,EE,E,EA,AUS)	C87	1-161-379-00	CERAMIC 0.01MF 30% 16V
		...CERAMIC 4.7PF 10% 50V	C88	1-123-875-11	ELECT 10MF 20% 50V
C2	1-123-875-11	ELECT 10MF 20% 50V	C89	1-161-379-00	CERAMIC 0.01MF 30% 16V
C3	1-161-379-00	CERAMIC 0.01MF 30% 16V	C90	1-124-477-11	ELECT 47MF 20% 25V
C4	1-162-294-31	CERAMIC 0.001MF 10% 50V	C91	1-162-294-31	CERAMIC 0.001MF 10% 50V
C5	1-161-379-00	CERAMIC 0.01MF 30% 16V	C92	1-162-294-31	CERAMIC 0.001MF 10% 50V
C6	1-164-159-11	(E,EA,AUS)...CERAMIC 0.1MF 50V	C93	1-161-375-00	CERAMIC 0.0022MF 30% 16V
C7	1-164-159-11	(EXCEPT US,Canadian)	C94	1-161-375-00	CERAMIC 0.0022MF 30% 16V
		...CERAMIC 0.1MF 50V	C95	1-124-791-11	ELECT 1MF 20% 50V
C8	1-161-379-00	(AEP,WG,IT,EE)	C96	1-124-791-11	ELECT 1MF 20% 50V
		...CERAMIC 0.01MF 30% 16V	C97	1-124-791-11	ELECT 1MF 20% 50V
C9	1-102-120-00	(AEP,WG,IT,EE)	C98	1-124-791-11	ELECT 1MF 20% 50V
		...CERAMIC 0.0018MF 10% 50V	C99	1-136-154-00	(EXCEPT US,Canadian)
C10	1-161-374-11	(AEP,WG,IT,EE)			...FILM 0.012MF 5% 50V
		...CERAMIC 0.0015MF 30% 16V	C99	1-136-155-00	(US,Canadian)
					...FILM 0.015MF 5% 50V

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
C100	1-136-154-00	(EXCEPT US,Canadian)	C213	1-161-379-00	CERAMIC
		...FILM 0.012MF 5% 50V	C214	1-124-465-00	ELECT
C100	1-136-155-00	(US,Canadian)	C215	1-164-159-11	CERAMIC
		...FILM 0.015MF 5% 50V			
C101	1-123-875-11	ELECT 10MF 20% 50V	C221	1-162-207-31	CERAMIC
C101	1-163-038-00	(BD)...CERAMIC CHIP 0.1MF 25V	C222	1-162-207-31	CERAMIC
C102	1-161-379-00	CERAMIC 0.01MF 30% 16V	C223	1-124-443-00	ELECT
C102	1-163-989-11	(BD)...CERAMIC CHIP 0.033MF 10% 25V			
C103	1-124-463-00	ELECT 0.1MF 20% 50V	C225	1-136-165-00	FILM
C103	1-126-094-11	(BD)...ELECT 4.7MF 20% 16V	C229	1-123-875-11	ELECT
C104	1-124-791-11	ELECT 1MF 20% 50V	C231	1-161-374-11	CERAMIC
C104	1-163-038-00	(BD)...CERAMIC CHIP 0.1MF 25V			
C105	1-124-791-11	ELECT 1MF 20% 50V	C232	1-161-374-11	CERAMIC
C105	1-126-154-11	(BD)...ELECT 4.7MF 20% 6.3V	C233	1-162-286-31	CERAMIC
C106	1-124-791-11	ELECT 1MF 20% 50V	C234	1-162-286-31	CERAMIC
C106	1-126-154-11	(BD)...ELECT 4.7MF 20% 6.3V			
C107	1-126-154-11	(BD)...ELECT 4.7MF 20% 6.3V	C235	1-124-791-11	ELECT
C107	1-162-282-31	(WG,IT)...CERAMIC 100PF 10% 50V	C236	1-124-791-11	ELECT
C108	1-162-211-31	(EXCEPT WG,IT)	C237	1-123-875-11	ELECT
	CERAMIC 33PF 5% 50V			
C108	1-162-291-31	(WG,IT).....CERAMIC 560PF 10% 50V	C238	1-123-875-11	ELECT
C108	1-163-038-00	(BD)...CERAMIC CHIP 0.1MF 25V	C251	1-162-282-31	CERAMIC
C109	1-161-379-00	CERAMIC 0.01MF 30% 16V	C252	1-162-282-31	CERAMIC
C109	1-163-038-00	(BD)...CERAMIC CHIP 0.1MF 25V			
C110	1-161-379-00	CERAMIC 0.01MF 30% 16V	C253	1-162-282-31	CERAMIC
C110	1-163-989-11	(BD)...CERAMIC CHIP 0.033MF 10% 25V	C254	1-162-282-31	CERAMIC
C111	1-124-925-11	ELECT 2.2MF 20% 50V	C255	1-162-282-31	CERAMIC
C111	1-131-367-00	(BD)...TANTALUM 22MF 20% 16V			
C112	1-161-379-00	CERAMIC 0.01MF 30% 16V	C256	1-161-379-00	CERAMIC
C112	1-164-232-11	(BD)...CERAMIC CHIP 0.01MF 10% 50V	C257	1-161-379-00	CERAMIC
C113	1-161-379-00	(AEP,EE,E,EA,AUS)	C258	1-161-379-00	CERAMIC
		...CERAMIC 0.01MF 30% 16V			
C113	1-164-232-11	(BD)...CERAMIC CHIP 0.01MF 10% 50V	C401	1-162-282-31	CERAMIC
C114	1-161-379-00	CERAMIC 0.01MF 30% 16V	C402	1-162-282-31	CERAMIC
C114	1-164-161-11	(BD)...CERAMIC CHIP 0.0022MF 10% 50V	C403	1-162-290-31	CERAMIC
C115	1-164-161-11	(BD)...CERAMIC CHIP 0.0022MF 10% 50V			
C116	1-161-379-00	CERAMIC 0.01MF 30% 16V	C410	1-126-157-11	ELECT
C117	1-161-379-00	CERAMIC 0.01MF 30% 16V	C416	1-124-463-00	ELECT
C117	1-163-038-00	(BD)...CERAMIC CHIP 0.1MF 25V	C417	1-126-157-11	ELECT
C118	1-163-038-00	(BD)...CERAMIC CHIP 0.1MF 25V			
C119	1-164-161-11	(BD)...CERAMIC CHIP 0.0022MF 10% 50V	C418	1-126-157-11	ELECT
C120	1-163-989-11	(BD)...CERAMIC CHIP 0.033MF 10% 25V	C419	1-126-157-11	ELECT
			C420	1-126-157-11	ELECT
C151	1-163-019-00	(BD)...CERAMIC CHIP 0.0068MF 10% 50V	C421	1-126-157-11	ELECT
C152	1-163-038-00	(BD)...CERAMIC CHIP 0.1MF 25V	C422	1-126-157-11	ELECT
C153	1-163-006-11	(BD)...CERAMIC CHIP 560PF 10% 50V	C423	1-161-379-00	CERAMIC
C154	1-164-161-11	(BD)...CERAMIC CHIP 0.0022MF 10% 50V			
C155	1-163-023-00	(BD)...CERAMIC CHIP 0.015MF 10% 50V	C451	1-162-282-31	CERAMIC
C171	1-163-038-00	(BD)...CERAMIC CHIP 0.1MF 25V	C452	1-162-282-31	CERAMIC
			C453	1-162-290-31	CERAMIC
C172	1-163-038-00	(BD)...CERAMIC CHIP 0.1MF 25V			
C173	1-163-038-00	(BD)...CERAMIC CHIP 0.1MF 25V	C460	1-126-157-11	ELECT
C174	1-163-038-00	(BD)...CERAMIC CHIP 0.1MF 25V	C471	1-162-294-31	CERAMIC
			C472	1-162-294-31	CERAMIC
C201	1-164-159-11	CERAMIC 0.1MF 50V	C473	1-162-282-31	CERAMIC
C211	1-136-161-00	FILM 0.047MF 5% 50V	C474	1-162-215-31	CERAMIC
C212	1-161-374-11	CERAMIC 0.0015MF 30% 16V	C475	1-164-159-11	CERAMIC
			C491	1-164-159-11	CERAMIC
			C492	1-164-159-11	CERAMIC
			C493	1-164-159-11	CERAMIC
			C494	1-164-159-11	CERAMIC
			C501	1-162-282-31	CERAMIC
			C502	1-162-294-31	CERAMIC
			C504	1-162-289-31	CERAMIC
			C505	1-161-329-00	CERAMIC
			C506	1-162-294-31	CERAMIC
			C507	1-161-494-00	CERAMIC
			C508	1-161-327-00	CERAMIC
			C509	1-164-159-11	CERAMIC

Ref.No.	Part No.	Description			
C510	1-161-379-00	CERAMIC	0.01MF	30%	16V
C511	1-124-464-11	ELECT	0.22MF	20%	50V
C512	1-161-494-00	CERAMIC	0.022MF		25V
C513	1-126-160-11	ELECT	1MF	20%	50V
C514	1-136-163-00	FILM	0.068MF	5%	50V
C515	1-136-163-00	FILM	0.068MF	5%	50V
C521	1-161-379-00	CERAMIC	0.1MF		50V
C522	1-164-159-11	CERAMIC	0.1MF		50V
C523	1-161-379-00	CERAMIC	0.01MF	30%	16V
C524	1-161-379-00	CERAMIC	0.01MF	30%	16V
C551	1-162-282-31	CERAMIC	100PF	10%	50V
C552	1-162-294-31	CERAMIC	0.001MF	10%	50V
C554	1-162-289-31	CERAMIC	390PF	10%	50V
C555	1-161-329-00	CERAMIC	0.0068MF	30%	16V
C556	1-162-294-31	CERAMIC	0.001MF	10%	50V
C557	1-161-494-00	CERAMIC	0.022MF		25V
C558	1-161-327-00	CERAMIC	0.0033MF	30%	16V
C559	1-164-159-11	CERAMIC	0.1MF		50V
C560	1-161-379-00	CERAMIC	0.01MF	30%	16V
C561	1-124-464-11	ELECT	0.22MF	20%	50V
C562	1-161-494-00	CERAMIC	0.022MF		25V
C563	1-126-160-11	ELECT	1MF	20%	50V
C564	1-136-163-00	FILM	0.068MF	5%	50V
C565	1-136-163-00	FILM	0.068MF	5%	50V
C566	1-161-379-00	CERAMIC	0.01MF	30%	16V
C567	1-161-379-00	CERAMIC	0.01MF	30%	16V
C568	1-126-157-11	ELECT	10MF	20%	16V
C569	1-164-159-11	CERAMIC	0.1MF		50V
C571	1-124-584-00	ELECT	100MF	20%	10V
C572	1-124-584-00	ELECT	100MF	20%	10V
C573	1-126-160-11	ELECT	1MF	20%	50V
C574	1-126-160-11	ELECT	1MF	20%	50V
C578	1-164-159-11	CERAMIC	0.01MF	30%	16V
C579	1-136-173-00	FILM	0.47MF	5%	50V
C580	1-136-173-00	FILM	0.47MF	5%	50V
C581	1-136-173-00	FILM	0.47MF	5%	50V
C582	1-164-159-11	CERAMIC	0.1MF		50V
C583	1-162-282-31	CERAMIC	100PF	10%	50V
C584	1-162-282-31	CERAMIC	100PF	10%	50V
C585	1-161-379-00	CERAMIC	0.01MF	30%	16V
C586	1-161-379-00	CERAMIC	0.01MF	30%	16V
C587	1-162-282-31	CERAMIC	100PF	10%	50V
C588	1-161-379-00	CERAMIC	0.01MF	30%	16V
C589	1-161-379-00	CERAMIC	0.01MF	30%	16V
C590	1-161-379-00	CERAMIC	0.01MF	30%	16V
C592	1-162-199-31	CERAMIC	10PF	5%	50V
C593	1-162-199-31	CERAMIC	10PF	5%	50V
C594	1-162-207-31	CERAMIC	22PF	5%	50V
C595	1-162-207-31	CERAMIC	22PF	5%	50V
C596	1-125-447-11	DOBLE LAYERS	1F		5.5V
C597	1-126-157-11	ELECT	10MF	20%	16V
C601	1-162-293-31	CERAMIC	820PF	10%	50V
C602	1-162-282-31	CERAMIC	100PF	10%	50V
C603	1-136-157-00	FILM	0.022MF	5%	50V
C604	1-126-157-11	ELECT	10MF	20%	16V
C609	1-136-161-00	FILM	0.047MF	5%	50V
C610	1-161-379-00	CERAMIC	0.01MF	30%	16V

Ref.No.	Part No.	Description			
C611	1-162-293-31	CERAMIC	820PF	10%	50V
C612	1-162-282-31	CERAMIC	100PF	10%	50V
C613	1-136-157-00	FILM	0.022MF	5%	50V
C614	1-123-875-11	ELECT	10MF	20%	50V
C621	1-162-282-31	CERAMIC	100PF	10%	50V
C622	1-162-282-31	CERAMIC	100PF	10%	50V
C623	1-130-474-00	(AEP,WG,IT,EE) ...MYLAR	0.0018MF	5%	50V
C624	1-130-480-00	(AEP,WG,IT,EE) ...MYLAR	0.0056MF	5%	50V
C625	1-123-875-11	(AEP,WG,IT,EE) ...ELECT	10MF	20%	50V
C626	1-124-791-11	ELECT	1MF	20%	50V
C627	1-161-282-31	(AEP,WG,IT,EE) ...CERAMIC	100PF	10%	50V
C628	1-161-379-00	(AEP,WG,IT,EE) ...CERAMIC	0.01MF	30%	16V
C651	1-162-293-31	CERAMIC	820PF	10%	50V
C652	1-162-282-31	CERAMIC	100PF	10%	50V
C653	1-136-157-00	FILM	0.022MF	5%	50V
C654	1-126-157-11	ELECT	10MF	20%	16V
C657	1-162-282-31	(AEP,WG,IT,EE) ...CERAMIC	100PF	10%	50V
C658	1-161-379-00	(AEP,WG,IT,EE) ...CERAMIC	0.01MF	30%	16V
C659	1-136-161-00	FILM	0.047MF	5%	50V
C661	1-162-293-31	CERAMIC	820PF	10%	50V
C662	1-162-282-31	CERAMIC	100PF	10%	50V
C663	1-136-157-00	FILM	0.022MF	5%	50V
C664	1-123-875-11	ELECT	10MF	20%	50V
C671	1-162-282-31	CERAMIC	100PF	10%	50V
C672	1-162-282-31	CERAMIC	100PF	10%	50V
C673	1-130-474-00	(AEP,WG,IT,EE) ...MYLAR	0.0018MF	5%	50V
C674	1-130-480-00	(AEP,WG,IT,EE) ...MYLAR	0.0056MF	5%	50V
C675	1-123-875-11	(AEP,WG,IT,EE) ...ELECT	10MF	20%	50V
C676	1-124-791-11	ELECT	1MF	20%	50V
C701	1-162-290-31	CERAMIC	470PF	10%	50V
C702	1-162-290-31	CERAMIC	470PF	10%	50V
C703	1-124-254-00	ELECT	0.68MF	20%	50V
C704	1-123-875-11	ELECT	10MF	20%	50V
C705	1-126-157-11	ELECT	10MF	20%	16V
C706	1-124-902-00	ELECT	0.47MF	20%	50V
C707	1-124-925-11	ELECT	2.2MF	20%	50V
C709	1-123-875-11	ELECT	10MF	20%	50V
C710	1-162-288-31	CERAMIC	330PF	10%	50V
C711	1-162-282-31	CERAMIC	100PF	10%	50V
C712	1-124-443-00	ELECT	100MF	20%	10V
C713	1-161-379-00	CERAMIC	0.01MF	30%	16V
C714	1-162-294-31	CERAMIC	0.001MF	10%	50V
C721	1-161-374-11	CERAMIC	0.0015MF	30%	16V
C722	1-161-329-00	CERAMIC	0.0068MF	30%	16V
C723	1-124-791-11	ELECT	1MF	20%	50V
C724	1-124-925-11	ELECT	2.2MF	20%	50V
C725	1-136-153-00	(AEP,WG,IT,EE) ...FILM	0.01MF	5%	50V
C725	1-136-154-00	(US,Canadian,F,EA,AUS) ...FILM	0.012MF	5%	50V

Note:

The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description			
C726	1-130-475-00	(AEP,WG,IT,EE) ...MYLAR	0.0022MF	5%	50V
C727	1-130-475-00	(AEP,WG,IT,EE) ...MYLAR	0.0022MF	5%	50V
C728	1-162-286-31	CERAMIC	220PF	10%	50V
C729	1-162-286-31	CERAMIC	220PF	10%	50V
C731	1-124-927-11	ELECT	4.7MF	20%	50V
C735	1-124-443-00	ELECT	100MF	20%	10V
C736	1-161-379-00	CERAMIC	0.01MF	30%	16V
C737	1-123-875-11	ELECT	10MF	20%	50V
C738	1-161-379-00	CERAMIC	0.01MF	30%	16V
C739	1-164-159-11	CERAMIC	0.1MF		50V
C740	1-161-379-00	CERAMIC	0.01MF	30%	16V
C751	1-162-290-31	CERAMIC	470PF	10%	50V
C752	1-162-290-31	CERAMIC	470PF	10%	50V
C753	1-124-254-00	ELECT	0.68MF	20%	50V
C754	1-123-875-11	ELECT	10MF	20%	50V
C755	1-126-157-11	ELECT	10MF	20%	16V
C756	1-124-902-00	ELECT	0.47MF	20%	50V
C757	1-124-925-11	ELECT	2.2MF	20%	50V
C759	1-123-875-11	ELECT	10MF	20%	50V
C760	1-162-288-31	CERAMIC	330PF	10%	50V
C761	1-162-282-31	CERAMIC	100PF	10%	50V
C764	1-162-294-31	CERAMIC	0.001MF	10%	50V
C795	1-123-875-11	ELECT	10MF	20%	50V
C801	1-123-875-11	ELECT	10MF	20%	50V
C802	1-162-290-31	CERAMIC	470PF	10%	50V
C803	1-126-233-11	ELECT	22MF	20%	50V
C804	1-164-159-11	CERAMIC	0.1MF		50V
C805	1-164-159-11	CERAMIC	0.1MF		50V
C851	1-123-875-11	ELECT	10MF	20%	50V
C852	1-162-290-31	CERAMIC	470PF	10%	50V
C853	1-126-233-11	ELECT	22MF	20%	50V
C854	1-164-159-11	CERAMIC	0.1MF		50V
C855	1-164-159-11	CERAMIC	0.1MF		50V
C871	1-124-618-11	ELECT	2200MF	20%	35V
C872	1-124-618-11	ELECT	2200MF	20%	35V
C873	1-124-120-11	ELECT	220MF	20%	16V
C874	1-124-484-11	ELECT	220MF	20%	35V
C875	1-123-875-11	ELECT	10MF	20%	50V
C876	1-123-875-11	ELECT	10MF	20%	50V
C877	1-123-875-11	ELECT	10MF	20%	50V
C878	1-124-910-11	ELECT	47MF	20%	50V
C879	1-124-910-11	ELECT	47MF	20%	50V
C880	1-124-910-11	ELECT	47MF	20%	50V
C901	1-164-159-11	CERAMIC	0.1MF		50V
C902	1-164-159-11	CERAMIC	0.1MF		50V
C903	1-126-160-11	ELECT	1MF	20%	50V
C905	1-124-122-11	ELECT	100MF	20%	50V
C906	1-124-556-11	ELECT	2200MF	20%	16V
C907	1-124-572-11	ELECT	100MF	20%	63V
C909	1-126-094-11	ELECT	4.7MF	20%	35V
C911	1-126-094-11	ELECT	4.7MF	20%	35V
C912	1-126-157-11	ELECT	10MF	20%	16V
C913	1-126-094-11	ELECT	4.7MF	20%	35V
C915	1-126-094-11	ELECT	4.7MF	20%	35V
C916	1-126-094-11	ELECT	4.7MF	20%	35V
C917	1-126-094-11	ELECT	4.7MF	20%	35V

Ref.No.	Part No.	Description			
C920	1-164-159-11	CERAMIC	0.1MF		50V
C921	1-164-159-11	CERAMIC	0.1MF		50V
C922	1-126-094-11	ELECT	4.7MF	20%	35V
C996	1-124-927-11	ELECT	4.7MF	20%	50V
C997	1-124-791-11	ELECT	1MF	20%	50V
C998	1-126-176-11	ELECT	220MF	20%	10V
C999	1-123-875-11	ELECT	10MF	20%	50V
CR801	1-532-564-00	BREAKER, CIRCUIT (2.2A)			
CR851	1-532-564-00	BREAKER, CIRCUIT (2.2A)			
CF1	1-567-389-11	FILTER, CERAMIC (10.7MHz)			
CF2	1-567-389-11	(WG,IT)...FILTER, CERAMIC (10.7MHz)			
CF81	1-567-389-11	FILTER, CERAMIC (10.7MHz)			
CN1A	*1-564-498-11	PIN, CONNECTOR 5P			
CN1B	*1-564-499-11	PIN, CONNECTOR 6P			
CN101	1-568-796-11	(BD)...SOCKET, CONNECTOR 22P			
CN102	1-568-795-11	(BD)...SOCKET, CONNECTOR 12P			
CN201	*1-569-155-11	PLUG, CONNECTOR 10P			
CN202	1-568-802-11	SOCKET, CONNECTOR 19P			
CN203	*1-569-156-11	SOCKET, CONNECTOR 10P			
CN253	*1-564-339-71	PIN, CONNECTOR 5P			
CN291	*1-564-498-11	PIN, CONNECTOR 5P			
CN350	*1-564-495-11	PIN, CONNECTOR 2P			
CN401	*1-569-413-11	PIN, CONNECTOR 13P			
CN402	*1-568-856-11	SOCKET, CONNECTOR 13P			
CN403	*1-568-827-11	SOCKET, CONNECTOR 8P			
CN404	*1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P			
CN451	*1-568-851-11	SOCKET, CONNECTOR 8P			
CN501	*1-569-156-11	SOCKET, CONNECTOR 10P			
CN502	*1-569-156-11	SOCKET, CONNECTOR 10P			
CN503	*1-509-931-11	SOCKET, CONNECTOR 13P			
CN601	*1-564-507-11	PLUG, CONNECTOR 4P			
CN602	*1-564-509-11	PLUG, CONNECTOR 6P			
CN701	*1-569-155-11	PLUG, CONNECTOR 10P			
CN702	*1-569-155-11	PLUG, CONNECTOR 10P			
CN703	*1-568-832-11	SOCKET, CONNECTOR 13P			
CN704	*1-568-834-11	SOCKET, CONNECTOR 15P			
CN721	*1-564-505-11	PLUG, CONNECTOR 2P			
CN751	*1-564-336-00	PIN, CONNECTOR 2P			
CN752	*1-564-336-71	PIN, CONNECTOR 2P			
CN785	*1-564-339-00	PIN, CONNECTOR 5P			
CN786	*1-564-340-00	PIN, CONNECTOR 6P			
CN801	*1-508-694-00	PIN, CONNECTOR 8P			
CN802	*1-564-706-11	PIN, CONNECTOR (SMALL TYPE) 4P			
CN901	1-526-930-11	(US,Canadian,E,EA,AUS) ...INLET, AC (~AC IN)			
CN901	1-526-931-11	(AEP,WG,IT,EE)...INLET, AC (~AC IN)			
CN902	*1-568-858-11	SOCKET, CONNECTOR 15P			
CN903	*1-565-484-11	CONNECTOR, BOARD TO BOARD 8P			
CP503	1-233-207-11	COMPOSITION CIRCUIT BLOCK (220PX13)			
CP504	1-233-207-11	COMPOSITION CIRCUIT BLOCK (220PX13)			
CT21	1-141-227-00	(E,EA,AUS)...TRIMMER			
CT22	1-141-227-00	(E,EA,AUS)...TRIMMER			
D21	8-719-902-79	(E,EA,AUS)...DIODE KV1236Z			
D81	8-719-912-20	DIODE 1SS120			
D201	8-719-010-34	DIODE UZ-4.7BSC			
D205	8-719-912-20	DIODE 1SS120			
D206	8-719-984-16	LED GL-1HY112-CD			
D207	8-719-984-17	LED GL-1EG112-CD			

Ref.No.	Part No.	Description
D208	8-719-912-20	DIODE 1SS120
D209	8-719-912-20	DIODE 1SS120
D210	8-719-912-20	DIODE 1SS120
D211	8-719-912-20	DIODE 1SS120
D300	8-719-302-75	LED SEL2210W-D
D406	8-719-912-20	DIODE 1SS120
D521	8-719-312-80	LED SEL4214R-LC05
D522	8-719-312-81	LED SEL4914R-LC05
D523	8-719-312-81	LED SEL4914R-LC05
D571	8-719-912-20	DIODE 1SS120
D572	8-719-912-20	DIODE 1SS120
D574	8-719-912-20	DIODE 1SS120
D576	8-719-912-20	DIODE 1SS120
D577	8-719-912-20	DIODE 1SS120
D578	8-719-912-20	DIODE 1SS120
D579	8-719-912-20	DIODE 1SS120
D580	8-719-912-20	DIODE 1SS120
D581	8-719-912-20	DIODE 1SS120
D582	8-719-912-20	DIODE 1SS120
D583	8-719-912-20	DIODE 1SS120
D584	8-719-912-20	DIODE 1SS120
D585	8-719-912-20	(US,Canadian,E,EA,AUS)...DIODE 1SS120
D588	8-719-912-20	(AEP,WG,E,EA,AUS)...DIODE 1SS120
D589	8-719-912-20	(IT,EE)...DIODE 1SS120
D590	8-719-912-20	(EE,E,EA,AUS)...DIODE 1SS120
D598	8-719-001-21	DIODE UZL-9H1
D601	8-719-912-20	DIODE 1SS120
D701	8-719-933-48	DIODE HZS783L
D721	8-719-912-20	DIODE 1SS120
D735	8-719-933-36	DIODE HZS681L
D736	8-719-912-20	DIODE 1SS120
D737	8-719-912-20	DIODE 1SS120
D738	8-719-912-20	DIODE 1SS120
D739	8-719-912-20	DIODE 1SS120
D785	8-719-912-20	DIODE 1SS120
D786	8-719-912-20	DIODE 1SS120
D787	8-719-912-20	DIODE 1SS120
D788	8-719-912-20	DIODE 1SS120
D789	8-719-912-20	DIODE 1SS120
D790	8-719-912-20	DIODE 1SS120
D791	8-719-912-20	DIODE 1SS120
D792	8-719-912-20	DIODE 1SS120
D793	8-719-912-20	DIODE 1SS120
D801	8-719-912-20	DIODE 1SS120
D901	8-719-912-20	DIODE 1SS120
D902	8-719-912-20	DIODE 11ES2
D903	8-719-200-82	DIODE 11ES2
D904	8-719-200-82	DIODE 11ES2
D907	8-719-200-82	DIODE 11ES2
D908	8-719-200-82	DIODE 11ES2
D909	8-719-312-09	DIODE RBA-402
D910	8-719-002-33	DIODE UZL-24L
D911	8-719-014-64	DIODE UZP-5.1BC
D912	8-719-933-36	DIODE HZS681L
F901	△ 1-532-215-00	(EXCEPT US,Canadian)...FUSE, TIME-LAG
F901	△ 1-532-555-00	(US,Canadian)...FUSE, GLASS TUBE (1.6A)
F902	△ 1-532-259-00	(E,EA,AUS)...FUSE, TIME-LAG (T 1.6A)
F999	△ 1-532-783-21	(US,Canadian)...FUSE, MICRO (5A/125V)

Ref.No.	Part No.	Description
FE1	1-465-007-11	(WG,IT).....FRONT END (FM) (4 GANG)
FE1	1-465-283-11	(EXCEPT WG,IT,EE)...FRONT END (2 GANG)
FE1	1-465-396-11	(EE).....FRONT END (3 GANG)
FE2	1-236-461-11	(US,Canadian)...ENCAPSULATED COMPONENT
FE2	1-236-462-11	(AEP,WG,IT,EE)...ENCAPSULATED COMPONENT
FE2	1-236-777-11	(E,EA,AUS)...ENCAPSULATED COMPONENT
FE3	1-236-463-11	(AEP,WG,IT,EE)...ENCAPSULATED COMPONENT
FL81	1-236-465-11	(WG,IT)...ENCAPSULATED COMPONENT
FLT501	1-519-577-11	INDICATOR TUBE, FLUORESCENT
HE1	1-543-673-11	HEAD, MAGNETIC (ERASE)
HP1	1-543-672-11	HEAD, MAGNETIC (REC/PB)
HRP1	1-543-672-11	HEAD, MAGNETIC (REC/PB)
IC51	8-759-239-29	IC TC9217P
IC81	8-759-821-45	IC LA1851N
IC101	8-752-037-33	(BD)...IC CXA1372Q
IC102	8-759-821-94	(BD)...IC LA6532M
IC201	8-759-150-19	IC UPD75112CW-064
IC202	8-752-333-31	IC CXD2500Q
IC221	8-752-334-06	IC CXD2551P
IC222	8-759-990-13	IC TDA1543A
IC223	8-759-634-51	IC M5218AP
IC253	8-759-633-65	IC M54641L
IC401	8-759-634-50	IC M5218AL
IC406	8-759-820-62	IC LBI639
IC451	8-759-634-50	IC M5218AL
IC501	8-759-630-99	IC M5226FP
IC502	8-759-634-50	IC M5218AL
IC505	8-759-148-52	IC UPD75212ACW-189
IC506	8-749-920-59	IC A1QH3020S
IC551	8-759-630-99	IC M5226FP
IC601	8-759-112-93	IC UPC4570HA-1
IC602	8-759-040-53	IC MC14053BCP
IC621	8-759-634-50	(AEP,WG,IT,EE)...IC M5218AL
IC661	8-759-112-93	IC UPC4570HA-1
IC701	8-759-634-50	IC M5218AL
IC702	8-752-034-26	IC CXA1101P
IC703	8-759-000-49	IC MC14066BCP
IC704	8-752-038-00	IC CXA1298AP
IC705	8-759-203-08	IC TC4052BPHB
IC706	8-759-605-16	IC M51953BL
IC785	8-759-240-01	IC TC4001BP
IC801	8-749-900-95	IC STK-4122MK2
IC901	8-759-602-66	IC M5230L-A
IC999	8-759-821-93	IC LA5601
△ICP999	1-532-846-21	(EXCEPT US,Canadian) ...LINK, IC PRF5000 (5A)
IFT81	1-404-853-11	TRANSFORMER, IF (CERAMIC FILTER)
IFT82	1-404-807-11	TRANSFORMER, DISCRIMINATOR
J101	1-216-295-00	(BD)...METAL GLAZE 0 5% 1/10W
J102	1-216-295-00	(BD)...METAL GLAZE 0 5% 1/10W
J401	1-562-837-21	JACK (MIX MIC)
J451	1-562-837-21	JACK (HEADPHONES)

Note:
The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.

Note:
Les composants identifiés par une marque △ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref.No.	Part No.	Description	Ref.No.	Part No.	Description
J701	1-569-181-11	(AEP,WG,IT,EE)...JACK, PIN 2P (PHONO)	Q601	8-729-904-39	TRANSISTOR DTC114TS
J701	1-569-181-11	(US,Canadian,E,EA,AUS) ...JACK, PIN 2P (VIDEO/AUX)	Q603	8-729-900-80	TRANSISTOR DTC114ES
			Q651	8-729-904-39	TRANSISTOR DTC114TS
L1	1-408-425-00	(AEP,WG,IT,EE)...INDUCTOR 220UH	Q721	8-729-801-93	TRANSISTOR 2SD1387
L81	1-410-496-11	INDUCTOR 1.5MMH	Q722	8-729-620-05	TRANSISTOR 2SC2603-EF
L83	1-410-489-11	INDUCTOR 390UH	Q723	8-729-900-80	TRANSISTOR DTC114ES
L701	1-410-779-21	INDUCTOR 22MMH	Q731	8-729-904-39	TRANSISTOR DTC114TS
L721	1-410-489-11	INDUCTOR 390UH	Q732	8-729-900-61	TRANSISTOR DTA114ES
L751	1-410-779-21	INDUCTOR 22MMH	Q735	8-729-111-29	TRANSISTOR 2SD1616A-K
LPF81	1-235-164-00	FILTER, LOW PASS	Q736	8-729-920-98	TRANSISTOR 2SD1761-EF
LPF82	1-235-164-00	FILTER, LOW PASS	Q737	8-729-900-80	TRANSISTOR DTC114ES
M1	X-3358-211-1	(DECK A)...MOTOR (A) ASSY	Q738	8-729-900-61	TRANSISTOR DTA114ES
M2	X-3358-211-1	(DECK B)...MOTOR (A) ASSY	Q739	8-729-900-89	TRANSISTOR DTC114ES
M101	X-4917-523-3	MOTOR ASSY (SPINDLE)	Q740	8-729-900-89	TRANSISTOR DTC114ES
M102	X-4917-504-1	MOTOR ASSY (SLED)	Q781	8-729-904-39	TRANSISTOR DTC114TS
M103	A-4608-362-A	MOTOR (L) ASSY (LOADING)	Q785	8-729-801-93	TRANSISTOR 2SD1387
Q1	8-729-620-19	TRANSISTOR 2SC2724TP-CD	Q786	8-729-900-80	TRANSISTOR DTC114ES
Q2	8-729-620-19	(WG,IT)...TRANSISTOR 2SC2724-CD	Q787	8-729-900-80	TRANSISTOR DTC114ES
Q3	8-729-900-80	TRANSISTOR DTC114ES	Q789	8-729-900-80	TRANSISTOR DTC114ES
Q4	8-729-900-61	TRANSISTOR DTA114ES	Q790	8-729-900-80	TRANSISTOR DTC114ES
Q5	8-729-900-80	(EXCEPT US,Canadian) ...TRANSISTOR DTC114ES	Q791	8-729-900-80	TRANSISTOR DTC114ES
Q6	8-729-900-80	(EXCEPT US,Canadian) ...TRANSISTOR DTC114ES	Q801	8-729-900-80	TRANSISTOR DTC114ES
Q7	8-729-119-76	(EXCEPT US,Canadian) ...TRANSISTOR 2SA1175-HFE	Q901	8-729-620-05	TRANSISTOR 2SC2603-EF
Q8	8-729-620-05	(EXCEPT US,Canadian) ...TRANSISTOR 2SC2603-EF	Q903	8-729-920-97	TRANSISTOR 2SB1187-EF
Q9	8-729-900-80	(EXCEPT US,Canadian) ...TRANSISTOR DTC114ES	Q904	8-729-920-97	TRANSISTOR 2SB1187-EF
Q10	8-729-900-80	(E,EA,AUS)...TRANSISTOR DTC114ES	Q905	8-729-920-98	TRANSISTOR 2SD1761-EF
Q51	8-729-202-67	TRANSISTOR 2SK246-GR3	Q906	8-729-920-98	TRANSISTOR 2SD1761-EF
Q52	8-729-201-84	TRANSISTOR 2SC3112B	Q907	8-729-900-80	TRANSISTOR DTC114ES
Q53	8-729-202-67	(AEP,WG,IT,EE)...TRANSISTOR 2SK246-GR3	Q908	8-729-900-80	TRANSISTOR DTC114ES
Q54	8-729-201-84	(AEP,WG,IT,EE)...TRANSISTOR 2SC3112B	Q999	8-729-900-80	TRANSISTOR DTC114ES
Q101	8-729-620-05	TRANSISTOR 2SC2603-EF	R1	1-249-411-11	CARBON 330 5% 1/4W
Q101	8-729-901-01	(BD)...TRANSISTOR DTC114EK	R2	1-249-411-11	CARBON 330 5% 1/4W
Q102	8-729-620-05	TRANSISTOR 2SC2603-EF	R3	1-247-891-00	CARBON 330K 5% 1/4W
Q103	8-729-900-80	TRANSISTOR DTC114ES	R4	1-249-411-11	CARBON 330 5% 1/4W
Q104	8-729-900-80	TRANSISTOR DTC114ES	R5	1-247-891-00	(WG,IT)...CARBON 330K 5% 1/4W
Q201	8-729-620-05	TRANSISTOR 2SC2603-EF	R6	1-249-411-11	(WG,IT)...CARBON 330 5% 1/4W
Q231	8-729-141-26	TRANSISTOR 2SC3622A-LK	R7	1-249-405-11	CARBON 100 5% 1/4W
Q232	8-729-141-26	TRANSISTOR 2SC3622A-LK	R8	1-249-441-11	CARBON 100K 5% 1/4W
Q233	8-729-900-65	TRANSISTOR DTA114ES	R9	1-249-437-11	CARBON 47K 5% 1/4W
Q234	8-729-900-80	TRANSISTOR DTC114ES	R10	1-249-437-11	(AEP,WG,IT,EE)...CARBON 47K 5% 1/4W
Q252	8-729-900-80	TRANSISTOR DTC114ES	R10	1-249-421-11	(E,EA,AUS)...CARBON 2.2K 5% 1/4W
Q253	8-729-900-80	TRANSISTOR DTC114ES	R11	1-249-421-11	(AEP,WG,IT,EE)...CARBON 2.2K 5% 1/4W
Q406	8-729-904-39	TRANSISTOR DTC114TS	R11	1-249-429-11	(E,EA,AUS)...CARBON 10K 5% 1/4W
Q407	8-729-904-39	TRANSISTOR DTC114TS	R12	1-249-421-11	(AEP,WG,IT,EE)...CARBON 2.2K 5% 1/4W
Q456	8-729-904-39	TRANSISTOR DTC114TS	R12	1-249-429-11	(E,EA,AUS)...CARBON 10K 5% 1/4W
Q457	8-729-904-39	TRANSISTOR DTC114TS	R13	1-249-433-11	(AEP,WG,IT,EE)...CARBON 22K 5% 1/4W
Q501	8-729-904-39	TRANSISTOR DTC114TS	R14	1-249-432-11	(AEP,WG,IT,EE)...CARBON 18K 5% 1/4W
Q551	8-729-904-39	TRANSISTOR DTC114TS	R15	1-247-903-00	(AEP,WG,IT,EE)...CARBON 1M 5% 1/4W
Q572	8-729-900-61	TRANSISTOR DTA114ES	R20	1-249-425-11	(EXCEPT US,Canadian) ...CARBON 4.7K 5% 1/4W
Q573	8-729-224-61	TRANSISTOR 2SK246-Y	R21	1-249-429-11	(E,EA,AUS)...CARBON 10K 5% 1/4W
Q574	8-729-900-80	TRANSISTOR DTC114ES	R22	1-249-429-11	(E,EA,AUS)...CARBON 10K 5% 1/4W
Q575	8-729-900-80	TRANSISTOR DTC114ES	R51	1-249-417-11	CARBON 1K 5% 1/4W
Q576	8-729-620-05	TRANSISTOR 2SC2603-EF	R52	1-249-417-11	CARBON 1K 5% 1/4W

Ref.No.	Part No.	Description				
R53	1-249-441-11	CARBON	100K	5%	1/4W	
R54	1-249-417-11	CARBON	1K	5%	1/4W	
R55	1-249-425-11	CARBON	4.7K	5%	1/4W	
R56	1-249-405-11	CARBON	100	5%	1/4W	
R57	1-249-401-11	CARBON	47	5%	1/4W	
R58	1-249-423-11	CARBON	3.3K	5%	1/4W	
R59	1-249-414-11	CARBON	560	5%	1/4W	
R60	1-249-417-11	CARBON	1K	5%	1/4W	
R61	1-249-410-11	CARBON	270	5%	1/4W	
R62	1-249-418-11	CARBON	1.2K	5%	1/4W	
R63	1-249-421-11	CARBON	2.2K	5%	1/4W	
R64	1-249-425-11	CARBON	4.7K	5%	1/4W	
R65	1-249-425-11	CARBON	4.7K	5%	1/4W	
R66	1-249-405-11	CARBON	100	5%	1/4W	
R67	1-249-423-11	(AEP,WG,IT,EE)...CARBON	3.3K	5%	1/4W	
R68	1-249-414-11	(AEP,WG,IT,EE)...CARBON	560	5%	1/4W	
R69	1-249-417-11	(AEP,WG,IT,EE)...CARBON	1K	5%	1/4W	
R70	1-249-410-11	(AEP,WG,IT,EE)...CARBON	270	5%	1/4W	
R71	1-249-433-11	(AEP,WG,IT,EE)...CARBON	22K	5%	1/4W	
R72	1-249-421-11	(AEP,WG,IT,EE)...CARBON	2.2K	5%	1/4W	
R73	1-249-425-11	(AEP,WG,IT,EE)...CARBON	4.7K	5%	1/4W	
R74	1-249-425-11	(AEP,WG,IT,EE)...CARBON	4.7K	5%	1/4W	
R75	1-249-393-11	CARBON	10	5%	1/4W	
R81	1-249-433-11	CARBON	22K	5%	1/4W	
R82	1-249-417-11	CARBON	1K	5%	1/4W	
R83	1-249-399-11	CARBON	33	5%	1/4W	
R84	1-249-429-11	CARBON	10K	5%	1/4W	
R85	1-249-429-11	CARBON	10K	5%	1/4W	
R86	1-249-437-11	CARBON	47K	5%	1/4W	
R87	1-249-409-11	CARBON	220	5%	1/4W	
R88	1-249-429-11	CARBON	10K	5%	1/4W	
R89	1-249-429-11	CARBON	10K	5%	1/4W	
R90	1-249-421-11	CARBON	2.2K	5%	1/4W	
R91	1-249-421-11	CARBON	2.2K	5%	1/4W	
R92	1-247-891-00	CARBON	330K	5%	1/4W	
R93	1-247-891-00	CARBON	330K	5%	1/4W	
R94	1-249-417-11	CARBON	1K	5%	1/4W	
R95	1-249-417-11	CARBON	1K	5%	1/4W	
R96	1-249-425-11	CARBON	4.7K	5%	1/4W	
R97	1-249-425-11	CARBON	4.7K	5%	1/4W	
R98	1-249-404-00	CARBON	82	5%	1/4W	
R99	1-249-417-11	CARBON	1K	5%	1/4W	
R100	1-247-848-11	CARBON	5.1K	5%	1/4W	
R101	1-216-097-00	(BD)...METAL GLAZE	100K	5%	1/10W	
R102	1-216-097-00	(BD)...METAL GLAZE	100K	5%	1/10W	
R102	1-249-430-11	(EXCEPT WG,IT)...CARBON	12K	5%	1/4W	
R103	1-216-091-00	(BD)...METAL GLAZE	56K	5%	1/10W	
R103	1-249-428-11	CARBON	8.2K	5%	1/4W	
R104	1-216-099-00	(BD)...METAL GLAZE	120K	5%	1/10W	
R104	1-249-435-11	CARBON	33K	5%	1/4W	
R105	1-216-069-00	(BD)...METAL GLAZE	6.8K	5%	1/10W	
R105	1-249-431-11	CARBON	15K	5%	1/4W	
R106	1-216-061-00	(BD)...METAL GLAZE	3.3K	5%	1/10W	
R106	1-249-417-11	CARBON	1K	5%	1/4W	
R107	1-216-114-00	(BD)...METAL GLAZE	510K	5%	1/10W	
R107	1-249-430-11	(WG,IT)...CARBON	12K	5%	1/4W	

Ref.No.	Part No.	Description				
R108	1-216-105-00	(BD)...METAL GLAZE	220K	5%	1/10W	
R108	1-249-417-11	CARBON	1K	5%	1/4W	
R109	1-216-061-00	(BD)...METAL GLAZE	3.3K	5%	1/10W	
R110	1-216-049-00	(BD)...METAL GLAZE	1K	5%	1/10W	
R111	1-216-049-00	(BD)...METAL GLAZE	1K	5%	1/10W	
R112	1-216-083-00	(BD)...METAL GLAZE	27K	5%	1/10W	
R113	1-216-071-00	(BD)...METAL GLAZE	8.2K	5%	1/10W	
R114	1-216-105-00	(BD)...METAL GLAZE	220K	5%	1/10W	
R152	1-216-073-00	(BD)...METAL GLAZE	10K	5%	1/10W	
R153	1-216-085-00	(BD)...METAL GLAZE	33K	5%	1/10W	
R154	1-216-085-00	(BD)...METAL GLAZE	33K	5%	1/10W	
R155	1-216-093-00	(BD)...METAL GLAZE	68K	5%	1/10W	
R156	1-216-081-00	(BD)...METAL GLAZE	22K	5%	1/10W	
R157	1-216-079-00	(BD)...METAL GLAZE	18K	5%	1/10W	
R158	1-216-079-00	(BD)...METAL GLAZE	18K	5%	1/10W	
R159	1-216-079-00	(BD)...METAL GLAZE	18K	5%	1/10W	
R160	1-216-049-00	(BD)...METAL GLAZE	1K	5%	1/10W	
R171	1-216-001-00	(BD)...METAL GLAZE	10	5%	1/10W	
R172	1-216-001-00	(BD)...METAL GLAZE	10	5%	1/10W	
R173	1-216-001-00	(BD)...METAL GLAZE	10	5%	1/10W	
R174	1-216-001-00	(BD)...METAL GLAZE	10	5%	1/10W	
R201	1-249-441-11	CARBON	100K	5%	1/4W	
R202	1-249-441-11	CARBON	100K	5%	1/4W	
R203	1-249-422-11	CARBON	2.7K	5%	1/4W	
R204	1-249-422-11	CARBON	2.7K	5%	1/4W	
R205	1-249-437-11	CARBON	47K	5%	1/4W	
R206	1-249-437-11	CARBON	47K	5%	1/4W	
R207	1-249-437-11	CARBON	47K	5%	1/4W	
R208	1-249-437-11	CARBON	47K	5%	1/4W	
R209	1-249-441-11	CARBON	100K	5%	1/4W	
R210	1-249-437-11	CARBON	47K	5%	1/4W	
R211	1-249-423-11	CARBON	3.3K	5%	1/4W	
R212	1-249-423-11	CARBON	3.3K	5%	1/4W	
R213	1-249-429-11	CARBON	10K	5%	1/4W	
R214	1-249-437-11	CARBON	47K	5%	1/4W	
R215	1-249-429-11	CARBON	10K	5%	1/4W	
R216	1-249-441-11	CARBON	100K	5%	1/4W	
R217	1-249-411-11	CARBON	330	5%	1/4W	
R218	1-249-411-11	CARBON	330	5%	1/4W	
R219	1-249-417-11	CARBON	1K	5%	1/4W	
R220	1-249-421-11	CARBON	2.2K	5%	1/4W	
R221	1-249-405-11	CARBON	100	5%	1/4W	
R222	1-249-405-11	CARBON	100	5%	1/4W	
R223	1-249-417-11	CARBON	1K	5%	1/4W	
R224	1-249-417-11	CARBON	1K	5%	1/4W	
R225	1-249-417-11	CARBON	1K	5%	1/4W	
R226	1-249-417-11	CARBON	1K	5%	1/4W	
R231	1-249-429-11	CARBON	10K	5%	1/4W	
R232	1-249-425-11	CARBON	4.7K	5%	1/4W	
R233	1-249-429-11	CARBON	10K	5%	1/4W	
R234	1-249-393-11	CARBON	10	5%	1/4W	
R235	1-249-417-11	CARBON	1K	5%	1/4W	
R236	1-249-417-11	CARBON	1K	5%	1/4W	
R237	1-249-419-11	CARBON	1.5K	5%	1/4W	
R238	1-249-419-11	CARBON	1.5K	5%	1/4W	
R239	1-249-433-11	CARBON	22K	5%	1/4W	

Ref.No.	Part No.	Description
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R241	1-249-413-11	CARBON 470 5% 1/4W
R242	1-249-417-11	CARBON 1K 5% 1/4W
R243	1-249-411-11	CARBON 330 5% 1/4W
R244	1-249-411-11	CARBON 330 5% 1/4W
R245	1-249-421-11	CARBON 2.2K 5% 1/4W
R247	1-249-433-11	CARBON 22K 5% 1/4W
R248	1-249-421-11	CARBON 2.2K 5% 1/4W
R249	1-249-429-11	CARBON 10K 5% 1/4W
R250	1-249-429-11	CARBON 10K 5% 1/4W
R251	1-249-425-11	CARBON 4.7K 5% 1/4W
R252	1-249-425-11	CARBON 4.7K 5% 1/4W
R286	1-249-405-11	CARBON 100 5% 1/4W
R287	1-249-405-11	CARBON 100 5% 1/4W
R288	1-249-405-11	CARBON 100 5% 1/4W
R289	1-249-405-11	CARBON 100 5% 1/4W
R290	1-249-405-11	CARBON 100 5% 1/4W
R291	1-249-413-11	CARBON 470 5% 1/4W
R292	1-249-413-11	CARBON 470 5% 1/4W
R293	1-249-413-11	CARBON 470 5% 1/4W
R294	1-249-413-11	CARBON 470 5% 1/4W
R295	1-249-405-11	CARBON 100 5% 1/4W
R296	1-249-405-11	CARBON 100 5% 1/4W
R297	1-249-405-11	CARBON 100 5% 1/4W
R298	1-249-405-11	CARBON 100 5% 1/4W
R299	1-249-441-11	CARBON 100K 5% 1/4W
R401	1-249-417-11	CARBON 1K 5% 1/4W
R402	1-249-441-11	CARBON 100K 5% 1/4W
R403	1-249-441-11	CARBON 100K 5% 1/4W
R404	1-249-425-11	CARBON 4.7K 5% 1/4W
R405	1-249-401-11	CARBON 47 5% 1/4W
R406	1-249-429-11	CARBON 10K 5% 1/4W
R416	1-249-425-11	CARBON 4.7K 5% 1/4W
R417	1-249-425-11	CARBON 4.7K 5% 1/4W
R418	1-249-425-11	CARBON 4.7K 5% 1/4W
R419	1-249-417-11	CARBON 1K 5% 1/4W
R426	1-249-417-11	CARBON 1K 5% 1/4W
R427	1-249-441-11	CARBON 100K 5% 1/4W
R428	1-247-903-00	CARBON 1M 5% 1/4W
R429	1-249-417-11	CARBON 1K 5% 1/4W
R430	1-249-425-11	CARBON 4.7K 5% 1/4W
R431	1-249-425-11	CARBON 4.7K 5% 1/4W
R432	1-249-429-11	CARBON 10K 5% 1/4W
R451	1-249-417-11	CARBON 1K 5% 1/4W
R452	1-249-441-11	CARBON 100K 5% 1/4W
R453	1-249-441-11	CARBON 100K 5% 1/4W
R454	1-249-425-11	CARBON 4.7K 5% 1/4W
R455	1-249-401-11	CARBON 47 5% 1/4W
R456	1-249-429-11	CARBON 10K 5% 1/4W
R457	1-249-429-11	CARBON 10K 5% 1/4W
R466	1-249-425-11	CARBON 4.7K 5% 1/4W
R467	1-249-425-11	CARBON 4.7K 5% 1/4W
R468	1-249-425-11	CARBON 4.7K 5% 1/4W
R469	1-249-417-11	CARBON 1K 5% 1/4W
R471	1-249-429-11	CARBON 10K 5% 1/4W
R472	1-249-411-11	CARBON 330 5% 1/4W
R473	1-249-441-11	CARBON 100K 5% 1/4W
R474	1-249-411-11	CARBON 330 5% 1/4W

Ref.No.	Part No.	Description
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R475	1-249-441-11	CARBON 100K 5% 1/4W
R486	1-249-413-11	CARBON 470 5% 1/4W
R487	1-249-429-11	CARBON 10K 5% 1/4W
R501	1-247-903-00	CARBON 1M 5% 1/4W
R502	1-249-425-11	CARBON 4.7K 5% 1/4W
R503	1-249-411-11	CARBON 330 5% 1/4W
R504	1-247-903-00	CARBON 1M 5% 1/4W
R505	1-249-419-11	CARBON 1.5K 5% 1/4W
R506	1-249-434-11	CARBON 27K 5% 1/4W
R507	1-247-903-00	CARBON 1M 5% 1/4W
R522	1-249-411-11	CARBON 330 5% 1/4W
R523	1-249-411-11	CARBON 330 5% 1/4W
R524	1-249-439-11	CARBON 68K 5% 1/4W
R525	1-249-417-11	CARBON 1K 5% 1/4W
R526	1-249-405-11	CARBON 100 5% 1/4W
R527	1-249-405-11	CARBON 100 5% 1/4W
R528	1-249-405-11	CARBON 100 5% 1/4W
R529	1-249-405-11	CARBON 100 5% 1/4W
R530	1-249-405-11	CARBON 100 5% 1/4W
R531	1-249-405-11	CARBON 100 5% 1/4W
R534	1-249-405-11	CARBON 100 5% 1/4W
R535	1-249-405-11	CARBON 100 5% 1/4W
R536	1-249-405-11	CARBON 100 5% 1/4W
R537	1-249-429-11	CARBON 10K 5% 1/4W
R551	1-247-903-00	CARBON 1M 5% 1/4W
R552	1-249-425-11	CARBON 4.7K 5% 1/4W
R553	1-249-411-11	CARBON 330 5% 1/4W
R554	1-247-903-00	CARBON 1M 5% 1/4W
R555	1-249-419-11	CARBON 1.5K 5% 1/4W
R556	1-249-434-11	CARBON 27K 5% 1/4W
R557	1-247-903-00	CARBON 1M 5% 1/4W
R564	1-247-887-00	CARBON 220K 5% 1/4W
R568	1-249-441-11	CARBON 100K 5% 1/4W
R569	1-249-429-11	CARBON 10K 5% 1/4W
R570	1-249-417-11	CARBON 1K 5% 1/4W
R571	1-249-441-11	CARBON 100K 5% 1/4W
R572	1-247-891-00	CARBON 330K 5% 1/4W
R573	1-249-425-11	CARBON 4.7K 5% 1/4W
R574	1-249-441-11	CARBON 100K 5% 1/4W
R577	1-249-405-11	CARBON 100 5% 1/4W
R582	1-249-429-11	CARBON 10K 5% 1/4W
R596	1-249-429-11	CARBON 10K 5% 1/4W
R598	1-249-413-11	CARBON 470 5% 1/4W
R599	1-249-429-11	CARBON 10K 5% 1/4W
R601	1-247-881-00	CARBON 120K 5% 1/4W
R602	1-249-405-11	CARBON 100 5% 1/4W
R603	1-247-882-11	CARBON 130K 5% 1/4W
R604	1-249-425-11	CARBON 5.6K 5% 1/4W
R605	1-249-409-11	CARBON 220 5% 1/4W
R606	1-249-441-11	CARBON 100K 5% 1/4W
R607	1-249-418-11	CARBON 1.2K 5% 1/4W
R609	1-249-420-11	CARBON 1.8K 5% 1/4W
R610	1-247-887-00	CARBON 220K 5% 1/4W
R611	1-247-881-00	CARBON 120K 5% 1/4W
R612	1-249-405-11	CARBON 100 5% 1/4W
R613	1-247-882-11	CARBON 130K 5% 1/4W
R614	1-249-426-11	CARBON 5.6K 5% 1/4W

Ref.No.	Part No.	Description			
R615	1-249-409-11	CARBON	220	5%	1/4W
R616	1-249-441-11	CARBON	100K	5%	1/4W
R617	1-249-441-11	CARBON	100K	5%	1/4W
R621	1-249-417-11	CARBON	1K	5%	1/4W
R622	1-249-437-11	CARBON	47K	5%	1/4W
R623	1-249-437-11	(AEP,WG,IT,EE)...CARBON	47K	5%	1/4W
R624	1-247-897-11	(AEP,WG,IT,EE)...CARBON	560K	5%	1/4W
R625	1-249-417-11	(AEP,WG,IT,EE)...CARBON	1K	5%	1/4W
R626	1-249-425-11	CARBON	4.7K	5%	1/4W
R627	1-249-437-11	CARBON	47K	5%	1/4W
R651	1-247-881-00	CARBON	120K	5%	1/4W
R652	1-249-405-11	CARBON	100	5%	1/4W
R653	1-247-882-11	CARBON	130K	5%	1/4W
R654	1-249-426-11	CARBON	5.6K	5%	1/4W
R655	1-249-409-11	CARBON	220	5%	1/4W
R656	1-249-441-11	CARBON	100K	5%	1/4W
R657	1-249-418-11	CARBON	1.2K	5%	1/4W
R659	1-249-420-11	CARBON	1.8K	5%	1/4W
R660	1-247-887-00	CARBON	220K	5%	1/4W
R661	1-247-881-00	CARBON	120K	5%	1/4W
R662	1-249-405-11	CARBON	100	5%	1/4W
R663	1-247-882-11	CARBON	130K	5%	1/4W
R664	1-249-426-11	CARBON	5.6K	5%	1/4W
R665	1-249-409-11	CARBON	220	5%	1/4W
R666	1-249-441-11	CARBON	100K	5%	1/4W
R671	1-249-417-11	CARBON	1K	5%	1/4W
R672	1-249-437-11	CARBON	47K	5%	1/4W
R673	1-249-437-11	(AEP,WG,IT,EE)...CARBON	47K	5%	1/4W
R674	1-247-897-11	(AEP,WG,IT,EE)...CARBON	560K	5%	1/4W
R675	1-249-417-11	(AEP,WG,IT,EE)...CARBON	1K	5%	1/4W
R676	1-249-425-11	CARBON	4.7K	5%	1/4W
R677	1-249-437-11	CARBON	47K	5%	1/4W
R701	1-249-437-11	CARBON	47K	5%	1/4W
R702	1-249-421-11	CARBON	2.2K	5%	1/4W
R704	1-249-431-11	CARBON	15K	5%	1/4W
R705	1-249-437-11	CARBON	47K	5%	1/4W
R706	1-249-426-11	CARBON	5.6K	5%	1/4W
R708	1-249-437-11	CARBON	47K	5%	1/4W
R709	1-247-870-11	CARBON	43K	5%	1/4W
R710	1-249-437-11	CARBON	47K	5%	1/4W
R711	1-249-429-11	CARBON	10K	5%	1/4W
R712	1-249-426-11	CARBON	5.6K	5%	1/4W
R713	1-249-430-11	CARBON	12K	5%	1/4W
R714	1-249-429-11	CARBON	10K	5%	1/4W
R715	1-247-864-11	CARBON	24K	5%	1/4W
R716	1-249-441-11	CARBON	100K	5%	1/4W
R717	1-249-429-11	CARBON	10K	5%	1/4W
R721	1-249-423-11	CARBON	3.3K	5%	1/4W
R722	1-249-438-11	(AEP,WG,IT,EE)...CARBON	56K	5%	1/4W
R722	1-249-431-11	(US,Canadian,E,EA,AUS) ...CARBON	15K	5%	1/4W
R723	1-249-433-11	(AEP,WG,IT,EE)...CARBON	22K	5%	1/4W
R724	1-249-437-11	(AEP,WG,IT,EE)...CARBON	47K	5%	1/4W
R725	1-249-427-11	CARBON	6.8K	5%	1/4W
R726	1-249-437-11	CARBON	47K	5%	1/4W
R727	1-249-388-11	CARBON	3.9	5%	1/4W
R729	1-249-417-11	CARBON	1K	5%	1/4W

Ref.No.	Part No.	Description			
R731	1-249-421-11	CARBON	2.2K	5%	1/4W
R732	1-249-425-11	CARBON	4.7K	5%	1/4W
R733	1-249-429-11	CARBON	10K	5%	1/4W
R734	1-249-437-11	CARBON	47K	5%	1/4W
R735	1-249-413-11	CARBON	470	5%	1/4W
R736	1-249-411-11	CARBON	330	5%	1/4W
R737	1-249-405-11	CARBON	100	5%	1/4W
R738	1-249-414-11	CARBON	560	5%	1/4W
R739	1-249-429-11	CARBON	10K	5%	1/4W
R740	1-249-429-11	CARBON	10K	5%	1/4W
R741	1-249-429-11	CARBON	10K	5%	1/4W
R742	1-249-437-11	CARBON	47K	5%	1/4W
R743	1-249-429-11	CARBON	10K	5%	1/4W
R744	1-249-425-11	CARBON	4.7K	5%	1/4W
R747	1-249-405-11	CARBON	100	5%	1/4W
R748	1-249-405-11	CARBON	100	5%	1/4W
R751	1-249-437-11	CARBON	47K	5%	1/4W
R752	1-249-421-11	CARBON	2.2K	5%	1/4W
R754	1-249-431-11	CARBON	15K	5%	1/4W
R755	1-249-437-11	CARBON	47K	5%	1/4W
R756	1-249-426-11	CARBON	5.6K	5%	1/4W
R758	1-249-437-11	CARBON	47K	5%	1/4W
R760	1-249-437-11	CARBON	47K	5%	1/4W
R761	1-249-429-11	CARBON	10K	5%	1/4W
R762	1-249-426-11	CARBON	5.6K	5%	1/4W
R763	1-249-430-11	CARBON	12K	5%	1/4W
R781	1-249-421-11	CARBON	2.2K	5%	1/4W
R782	1-249-425-11	CARBON	4.7K	5%	1/4W
R785	1-249-421-11	CARBON	2.2K	5%	1/4W
R786	1-249-421-11	CARBON	2.2K	5%	1/4W
R787	1-249-421-11	CARBON	2.2K	5%	1/4W
R788	1-249-421-11	CARBON	2.2K	5%	1/4W
R789	1-249-421-11	CARBON	2.2K	5%	1/4W
R790	1-249-421-11	CARBON	2.2K	5%	1/4W
R791	1-249-429-11	CARBON	10K	5%	1/4W
R792	1-249-418-11	CARBON	1.2K	5%	1/4W
R793	1-249-441-11	CARBON	100K	5%	1/4W
R794	1-249-425-11	CARBON	4.7K	5%	1/4W
R795	1-249-429-11	CARBON	10K	5%	1/4W
R796	1-249-429-11	CARBON	10K	5%	1/4W
R797	1-249-432-11	CARBON	18K	5%	1/4W
R798	1-249-421-11	CARBON	2.2K	5%	1/4W
R799	1-249-429-11	CARBON	10K	5%	1/4W
R801	1-249-417-11	CARBON	1K	5%	1/4W
R802	1-249-438-11	CARBON	56K	5%	1/4W
R803	1-249-413-11	CARBON	470	5%	1/4W
R804	1-249-438-11	CARBON	56K	5%	1/4W
R805	1-249-389-11	CARBON	4.7	5%	1/4W
R826	1-249-417-11	CARBON	1K	5%	1/4W
R851	1-249-417-11	CARBON	1K	5%	1/4W
R852	1-249-438-11	CARBON	56K	5%	1/4W
R853	1-249-413-11	CARBON	470	5%	1/4W
R854	1-249-438-11	CARBON	56K	5%	1/4W
R855	1-249-389-11	CARBON	4.7	5%	1/4W
R871	1-249-429-11	CARBON	10K	5%	1/4W
R872	1-249-437-11	CARBON	47K	5%	1/4W
R873	1-249-429-11	CARBON	10K	5%	1/4W
R874	1-247-883-00	CARBON	150K	5%	1/4W

Note:

The components identified by mark **A** or dotted line with mark **A** are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par une marque **A** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



Ref.No.	Part No.	Description
R875	1-249-421-11	CARBON 2.2K 5% 1/4W
R876	1-249-421-11	CARBON 2.2K 5% 1/4W
R877 A	1-212-881-11	FUSIBLE 100 5% 1/4W F
R878	1-249-417-11	CARBON 1K 5% 1/4W
R879	1-249-417-11	CARBON 1K 5% 1/4W
R880 A	1-212-881-11	FUSIBLE 100 5% 1/4W F
R881	1-249-421-11	CARBON 2.2K 5% 1/4W
R882	1-249-421-11	CARBON 2.2K 5% 1/4W
R883 A	1-212-881-11	FUSIBLE 100 5% 1/4W F
R901	1-249-419-11	CARBON 1.5K 5% 1/4W
R902	1-249-429-11	CARBON 10K 5% 1/4W
R903	1-249-421-11	CARBON 2.2K 5% 1/4W
R904	1-249-433-11	CARBON 22K 5% 1/4W
R905 A	1-212-934-00	FUSIBLE 1 5% 1/2W F
R906 A	1-212-934-00	FUSIBLE 1 5% 1/2W F
R907 A	1-212-934-00	FUSIBLE 1 5% 1/2W F
R908	1-249-425-11	CARBON 4.7K 5% 1/4W
R909	1-249-433-11	CARBON 22K 5% 1/4W
R910	1-247-903-00	CARBON 1M 5% 1/4W
R911	1-249-405-11	CARBON 100 5% 1/4W
R912	1-249-432-11	CARBON 18K 5% 1/4W
R913	1-249-432-11	CARBON 18K 5% 1/4W
R914	1-247-842-11	CARBON 3K 5% 1/4W
R915	1-249-429-11	CARBON 10K 5% 1/4W
R917	1-249-413-11	CARBON 470 5% 1/4W
R926	1-202-725-00	(US,Canadian)...SOLID 3.3M 10% 1/2W
RV81	1-238-017-11	RES, ADJ, CARBON 22K
RV82	1-238-017-11	RES, ADJ, CARBON 22K
RV101	1-238-016-11	(BD)...RES, ADJ, CARBON 10K
RV102	1-238-016-11	(BD)...RES, ADJ, CARBON 10K
RV406	1-238-855-11	RES, VAR, CARBON (MOTOR) 100K/100K (VOLUME)(INCLUDING VOL LED)
RV501	1-238-867-11	RES, VAR, SLIDE 250K (12kHz)
RV502	1-238-867-11	RES, VAR, SLIDE 250K (4kHz)
RV503	1-238-867-11	RES, VAR, SLIDE 250K (1kHz)
RV504	1-238-867-11	RES, VAR, SLIDE 250K (400Hz)
RV505	1-238-867-11	RES, VAR, SLIDE 250K (100Hz)
RV551	1-238-867-11	RES, VAR, SLIDE 250K (12kHz)
RV552	1-238-867-11	RES, VAR, SLIDE 250K (4kHz)
RV553	1-238-867-11	RES, VAR, SLIDE 250K (1kHz)
RV554	1-238-867-11	RES, VAR, SLIDE 250K (400Hz)
RV555	1-238-867-11	RES, VAR, SLIDE 250K (100Hz)
RV601	1-238-011-11	RES, ADJ, CARBON 470
RV611	1-238-011-11	RES, ADJ, CARBON 470
RV651	1-238-011-11	RES, ADJ, CARBON 470
RV661	1-238-011-11	RES, ADJ, CARBON 470
RV701	1-238-017-11	RES, ADJ, CARBON 22K
RV721	1-238-019-11	RES, ADJ, CARBON 47K
RV722	1-238-019-11	RES, ADJ, CARBON 47K
RV751	1-238-017-11	RES, ADJ, CARBON 22K
RY601	1-515-614-21	RELAY
S1A	1-572-335-11	(DECK A)...SWITCH, LEAF (Cr02)
S1B	1-572-335-11	(DECK B)...SWITCH, LEAF (Cr02)
S2A	1-571-736-11	(DECK A)...SWITCH, LEAF (MD POWER)
S2B	1-571-736-11	(DECK B)...SWITCH, LEAF (MD POWER)


Ref.No.	Part No.	Description
S3A	1-571-736-11	(DECK A)...SWITCH, LEAF (PLAY)
S3B	1-571-736-11	(DECK B)...SWITCH, LEAF (PLAY)
S4B	1-571-736-11	(DECK B)...SWITCH, LEAF (REC)
S101	1-572-085-11	(BD)...SWITCH, LEAF (LIMIT IN)
S201	1-572-184-11	SWITCH, KEYBOARD (EDIT)
S202	1-572-184-11	SWITCH, KEYBOARD (■)
S203	1-572-184-11	SWITCH, KEYBOARD (▶▶)
S204	1-572-184-11	SWITCH, KEYBOARD (▲OPEN/CLOSE)
S205	1-572-184-11	SWITCH, KEYBOARD (▶▶)
S206	1-572-184-11	SWITCH, KEYBOARD (◀◀)
S207	1-572-184-11	SWITCH, KEYBOARD (▶▶)
S208	1-572-184-11	SWITCH, KEYBOARD (◀◀)
S209	1-572-184-11	SWITCH, KEYBOARD (REPEAT)
S210	1-572-184-11	SWITCH, KEYBOARD (CONTINUE)
S211	1-572-184-11	SWITCH, KEYBOARD (SHUFFLE)
S212	1-572-184-11	SWITCH, KEYBOARD (PROGRAM)
S214	1-572-184-11	SWITCH, KEYBOARD (TIME)
S291	1-571-924-11	SWITCH, LEAF (LOAD OUT)
S292	1-571-924-11	SWITCH, LEAF (LOAD IN)
S350	1-553-977-00	SWITCH, SLIDE (DOLBY NR)
S501	1-572-184-11	SWITCH, KEYBOARD (TIMER CONTROL)
S502	1-572-184-11	SWITCH, KEYBOARD (SLEEP)
S503	1-572-184-11	SWITCH, KEYBOARD (TIMER SET)
S504	1-572-184-11	SWITCH, KEYBOARD (CLOCK SET)
S505	1-572-184-11	SWITCH, KEYBOARD (CLOCK DISPLAY)
S506	1-572-184-11	SWITCH, KEYBOARD (POWER)
S507	1-572-184-11	(AEP,WG,IT,EE)...SWITCH, KEYBOARD (DBFB)
S507	1-572-184-11	(US,Canadian,E,EA,AUS) ...SWITCH, KEYBOARD (SAT)
S508	1-572-184-11	SWITCH, KEYBOARD (SURROUND)
S509	1-572-184-11	SWITCH, KEYBOARD (TAPE)
S510	1-572-184-11	SWITCH, KEYBOARD (CD)
S511	1-572-184-11	SWITCH, KEYBOARD (TUNER)
S512	1-572-184-11	(AEP,WG,IT,EE)...SWITCH, KEYBOARD (PHONO)
S512	1-572-184-11	(US,Canadian,E,EA,AUS) ...SWITCH, KEYBOARD (VIDEO/AUX)
S513	1-572-184-11	SWITCH, KEYBOARD (BAND)
S514	1-572-184-11	SWITCH, KEYBOARD (TUNING -)
S515	1-572-184-11	SWITCH, KEYBOARD (TUNING +)
S516	1-572-184-11	SWITCH, KEYBOARD (AUTO)
S517	1-572-184-11	SWITCH, KEYBOARD (MEMORY)
S518	1-572-184-11	SWITCH, KEYBOARD (NEXT ENTER)
S519	1-572-184-11	SWITCH, KEYBOARD (ST/MUTE)
S520	1-572-184-11	SWITCH, KEYBOARD (SHIFT)
S521	1-572-184-11	SWITCH, KEYBOARD (PRESET/TIMER -)
S522	1-572-184-11	SWITCH, KEYBOARD (PRESET/TIMER +)
S701	1-554-088-00	SWITCH, KEYBOARD (SYSTEM RESET)
S721	1-572-185-11	(AEP,WG,IT,EE)...SWITCH, SLIDE (ISS)
S901 A	1-571-722-11	(E,EA,AUS)...SWITCH, VOLTAGE SELECTION (VOLTAGE SELECTOR)
T1	1-402-424-11	(E,EA,AUS)...COIL (ANT,SW3)
T2	1-402-346-11	(E,EA,AUS)...COIL (OSC,SW3)
T721	1-433-347-11	TRANSFORMER, RIAS OSCILLATION
T901 A	1-450-055-11	(E,EA,AUS).....TRANSFORMER, POWER
T901 A	1-450-056-11	(AEP,WG,IT,EE)...TRANSFORMER, POWER
T901 A	1-450-057-11	(US,Canadian)....TRANSFORMER, POWER

Ref.No.	Part No.	Description
TB1	*1-537-138-31	(AEP,WG,IT,EE)...TERMINAL BOARD (ANTENNA)
TB1	1-537-238-11	(US,Canadian,E,EA,AUS) ...TERMINAL BOARD (ANTENNA)
TB801	1-537-238-11	TERMINAL BOARD (SPEAKER)
TP81	*1-568-449-11	HOUSING, CONNECTOR (PC BOARD) 3P
TP701	*1-568-449-11	HOUSING, CONNECTOR (PC BOARD) 3P
TP702	*1-568-449-11	(AEP,WG,IT,EE)...HOUSING, CONNECTOR (PC BOARD) 3P
X51	1-577-126-11	VIBRATOR, CRYSTAL (7.2MHz)
X81	1-577-075-11	OSCILLATOR, CERAMIC (456kHz)
X201	1-577-358-21	VIBRATOR, CERAMIC (4MHz)
X251	1-567-908-11	VIBRATOR, CRYSTAL (16.9344MHz)
X501	1-567-821-21	VIBRATOR, CRYSTAL (4.19MHz)
X502	1-527-997-31	VIBRATOR, CRYSTAL (32kHz)

ACCESSORY & PACKING MATERIAL

1-465-343-11	REMOTE COMMANDER (RM-S6)
2-181-754-11	COVER, BATTERY
1-501-374-11	ANTENNA, LOOP
△1-569-007-11	(F)...ADAPTOR, CONVERSION 2P
△1-569-008-11	(EA)...ADAPTOR, CONVERSION 2P
△1-555-074-00	(AUS).....CORD, POWER
△1-555-234-00	(AEP,WG,IT,EA,EE)...CORD, POWER
△1-556-280-00	(E).....CORD, POWER
△1-575-706-00	(US,Canadian).....CORD, POWER
3-751-669-11	(US,Canadian,AEP,E,EA,AUS) ...MANUAL, INSTRUCTION (FH)
3-751-669-41	(AEP,WG,IT)...MANUAL, INSTRUCTION (FH)
3-751-669-51	(EE).....MANUAL, INSTRUCTION (FH)
*4-936-852-01	CUSHION (LOWER)(HCD)
*4-936-953-01	CUSHION (UPPER)(HCD)
*4-936-884-11	(E,EA).....INDIVIDUAL CARTON (FH)
*4-936-885-11	(EXCEPT E,EA)...INDIVIDUAL CARTON (FH)

Note:
The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

Note:
Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.